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UNIVERSITY OF ILLINOIS 21 NOV1914

DEPARTMENT OF COMMERCE

BUREAU OF NAVIGATION

RADIO SERVICE

RADIO STATIONS OF THE UNITED STATES

EDITION JULY 1, 1914



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U.S. DEPARTMENT OF COMMERCE BUREAU OF NAVIGATION RADIO SERVICE

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SUPPLEMENTS WILL BE ISSUED QUARTERLY, AND THE LIST REVISED ANNUALLY AS OF JULY 1. THE SUPPLEMENTS WILL CONTAIN INFORMATION CONCERNING GOVERNMENT, COMMERCIAL, AND SPECIAL STATIONS ONLY. INFORMATION REGARDING AMATEUR STATIONS WILL APPEAR ONLY IN THE ANNUAL EDITION OF RADIO STATIONS.

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DISTRICTS (HEADQUARTERS IN PARENTHESES).	
First (Boston, Mass) Second (New York, N. Y.) Third (Baltimore, Md.). Fourth (Savannah, Ga.). Fifth (New Orleans, La.). Sixth (San Francisco, Cal.). Seventh (Seattle, Wash.). Eighth (Cleveland, Ohio). Ninth (Chicago, Ill.).	80 90 103 117 119 120 135 138

NOTES.

Underscoring of normal wave lengths is indicated by the use of italics.

Government vessels showing "nature of service" to be PG will accept or transmit paid messages for officers or members of crews.

Government vessels proceeding singly may relay messages to the coast upon request. The regular ship rate will apply.

INTERNATIONAL ABBREVIATIONS USED IN THIS LIST.

Nature of service:

PG=General public.

PR=Limited public.

P=Private (limited commercial and special).

O=Government business exclusively.

Hours of operation:

N=Continuous service.

X=No regular hours.

Classification:

b=Ship station.

c=Land station.

OTHER ABBREVIATIONS.

Assn. = Association.

 ${\bf Corp. = Corporation.}$

Nav. = Navigation.

Transp.=Transportation.

Marconi Co. = Marconi Wireless Telegraph Co. of America.

U. S. R. C. S.=United States Revenue-Cutter Service.

D., L. & W. R. R. Co. = Delaware, Lackawanna & Western Railroad Co.

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RADIO STATIONS OF THE UNITED STATES.

INTRODUCTION.

This list, including land and ship stations, is published in accordance with Section I of an act of Congress entitled "An act to regulate radio communication," approved August 13, 1912.

The following instructions concerning radio call letters are issued for the information of those concerned:

- 1. Section 7 of the act of August 13, 1912, to regulate radio communication provides:
- Sec. 7. That a person, company, or corporation within the jurisdiction of the United States shall not knowingly utter or transmit, or cause to be uttered or transmitted, any false or fraudulent distress signal or call or false or fraudulent signal, call, or other radiogram of any kind. The penalty for so uttering or transmitting a false or fraudulent distress signal or call shall be a fine of not more than two thousand five hundred dollars or imprisonment for not more than five years, or both, in the discretion of the court, for each and every such offense, and the penalty for so uttering or transmitting, or causing to be uttered or transmitted, any other false or fraudulent signal, call, or other radiogram shall be a fine of not more than one thousand dollars or imprisonment for not more than two years, or both, in the discretion of the court, for each and every such offense.
- 2. The Service Regulations of the International Radiotelegraphic Conventions provide that the call letters of stations in the international system must each be formed of a group of three letters which shall be distinguishable from one another. The London International Radiotelegraphic Conference made a partial allotment of call letters among nations which signed the convention and the International Bureau at Berne, with the consent of such nations, has modified and added to this assignment of call letters by circular of April 1, 1914. The distribution of call letters among nations thus authorized is printed below for the guidance of operators of all stations (ship and shore) of the United States.

A.....All to Germany and protectorates.

B.....All to Great Britain.

CAA to CEZ..Chile.

CFA to CMZ..Not yet assigned.

CNA to CNZ. . Morocco.

COA to COZ. Not yet assigned.

CPA to CPZ...Bolivia.

CQA to CQZ...Monaco.

CRA to CTZ...Portugal and colonies.

CUA to CUZ..Not yet assigned.

CVA to CVZ...Roumania.

CWA to CWZ.. Uruguay.

CXA to CZZ...Not yet assigned.

D......All to Germany and protectorates.

EAA to EGZ. . Spain and colonies.

EHA to EZZ. . Not yet assigned.

F All to France and colonies.	PNA to PZZBrazil.
GAll to Great Britain.	Q Reserved for code abbre-
HAA to HFZ. Austria-Hungary and Bos-	viations.
nia-Herzegovina.	RAll to Russia.
HGA to HHZSiam.	SAA to SMZSweden.
HIA to HIZ Dominican Republic.	SNA to STZBrazil.
HJA to HKZ Colombia (Republic).	SUA to SUZEgypt.
HLA to HZZNot yet assigned.	SVA to SZZGreece.
IAll to Italy and colonies.	TAA to TMZTurkey.
JAll to Japan and posses-	TNA to TZZNot yet assigned.
sions.	UAA to UMZFrance and colonies.
KAA to KCZGermany and protecto-	UNA to UZZAustria-Hungary and Bos-
rates.	nia-Herzegovina.
KDA to KZZ United States.	VAA to VGZ Canada (British).
LAA to LHZNorway.	VHA to VKZAustralian Federation
LIA to LRZArgentine Republic.	(British).
LSA to LWZ. Not yet assigned.	VLA to VMZNew Zealand (British).
LXA to LZZBulgaria.	VNA to VNZSouth African Union
MAll to Great Britain.	(British).
NAll to the United States.	VOA to VOZ Newfoundland (British).
OAA to OFZNot yet assigned.	VPA to VSZBritish colonies not au-
OGA to OMZAustria-Hungary and Bos-	tonomous.
nia-Herzegovina.	VTA to VWZBritish India.
ONA to OTZBelgium and colonies.	VXA to VZZGreat Britain.
OUA to OZZDenmark.	WAll to the United States.
PAA to PIZNetherlands.	XAA to XDZMexico.
PJA to PJMCuração (Dutch).	XEA to XZZNot yet assigned.
PJN to PJZSurinam (Dutch).	YAA to YZZ Not yet assigned.
PKA to PMZDutch East Indies.	ZAA to ZZZNot yet assigned.
PUBLIC-SERVI	CE STATIONS.

- 3. The call letters assigned to the United States are all combinations (676) beginning with the letter N and all (676) beginning with the letter W, and all combinations (598) from KDA to KZZ, inclusive. The total number of international call letters assigned to the United States is thus 1,950, and these are reserved for Government stations and stations open to public and limited commercial service.
- (a) All combinations beginning with the letter N are reserved for Government stations and in addition the combinations from WUA to WVZ and WXA to WZZ are reserved for stations of the Army of the United States.
- (b) The combinations KDA to KZZ, with a few exceptions, are reserved for ship stations on the Atlantic and Gulf of Mexico and for land stations on the Pacific coast.
- (c) The combinations beginning with W (except WUA to WVZ and WXA to WZZ as already indicated) are reserved, with a few exceptions, for ship stations on the Pacific and the Great Lakes and for land stations on the Atlantic and Gulf coasts and in the Great Lakes region.

AMATEUR STATIONS.

- 4. The call letters for amateur stations in the United States will be awarded by radio inspectors, each for his own district, according to the following system:
- (a) The call will consist of three items—the number of the radio district, followed by two letters of the alphabet. Thus, the call of all amateur stations in New England (which comprises the first district) will be the figure "one" in Continental Morse, followed by two letters; in California (in the sixth district) the figure "six" followed by two letters; in South Carolina the figure "four" followed by two letters; in Missouri the figure "nine" followed by two letters, etc. The letters X, Y, Z, must not be used as the first of the two letters.

The territory of each district is as follows:

- 1. Boston, Mass.........Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut.
- New York, N. Y..... New York (county of New York, Staten Island, Long Island, and counties on the Hudson River to and including Albany, Rensselaer, and Schenectady), and New Jersey (counties of Bergen, Passaic, Essex, Union, Middlesex, Monmouth, Hudson, and Ocean).
- 3. Baltimore, Md.....New Jersey (all counties not included in second district),
 Pennsylvania (counties of Philadelphia, Delaware, all
 counties south of the Blue Mountains, and Franklin
 County), Delaware, Maryland, Virginia, District of
 Columbia.
- 4. SAVANNAH, GA......North Carolina, South Carolina, Georgia, Florida, Porto Rico.
- New Orleans, La....Alabama, Mississippi, Louisiana, Texas, Tennessee, Arkansas, Oklahoma, New Mexico.
- 6. San Francisco, Cal. California, Hawaii, Nevada, Utah, Arizona.
- 7. SEATTLE, WASH......Oregon, Washington, Alaska, Idaho, Montana, Wyoming.
- 8. CLEVELAND, OHIO.....New York (all counties not included in second district),
 Pennsylvania (all counties not included in third district),
 West Virginia, Ohio, Michigan (Lower Peninsula).
- 9. Chicago, Ill....... Indiana, Illinois, Wisconsin, Michigan (Upper Peninsula),
 Minnesota, Kentucky, Missouri, Kansas, Colorado, Iowa,
 Nebraska, South Dakota, North Dakota.
- (b) The three items—a given figure first, followed by two letters of the alphabet—thus may be combined in 598 different calls, which will probably suffice for the amateur sending stations in most districts for some time to come.
- (c) Radio inspectors will insert amateur station calls in station licenses according to this system, and will keep a permanent chart of 598 squares, lettered with the alphabet from left to right and from top to bottom (A to W), inserting in the appropriate square the serial license number and name of owner of the station to which the call letters were awarded. Within these limitations radio inspectors

will use their discretion in the award of calls, avoiding, of course, duplications.

- (d) When a station is abandoned and the license canceled, or if a license shall be forfeited for violation of law, the call assigned to it may be allotted to another station.
- (e) If the entire 598 calls have been exhausted, radio inspectors will issue additional calls, consisting of the figure of the district followed by three letters. From such combinations should be excluded the combinations SOS and PRB, all three-letter combinations beginning with QR or QS, all combinations involving the repetition of the same letter three times, three-letter combinations beginning with K, N, W, X, Y, Z, and other combinations, which, for various reasons, international, national, local, or individual, may be objectionable. With such exclusions, over 10,000 calls will remain for each district.

LIMITED COMMERCIAL STATIONS.

5. Calls for limited commercial land stations will be allotted by the Bureau of Navigation.

SPECIAL CLASSES OF STATIONS.

6. Calls for special classes of stations, such as experiment stations for the development of radio communications, technical and training school stations, and special amateur stations will be allotted by the Bureau of Navigation.

The call will consist of three items—the number of the radio district, followed by two letters of the alphabet. The first letter will be: X, for experiment stations; Y, technical and training schools; Z, special amateur stations.

Twenty-six different combinations for each class in each district, of course, are possible. If more should prove necessary for any class in any district, a third letter will be added to the call.

RADIO STATIONS OF THE WORLD.

The International List of Radio Stations of the World (edition in English) can be procured from the International Bureau of the Telegraphic Union (Radiotelegraphic Service), Berne, Switzerland.

In addition to the information contained in the pamphlet of the United States stations, published by the Bureau of Navigation, the international list shows geographical locations, normal ranges in nautical miles, radio systems, and rates.

The international list includes the Government and commercial land and ship stations of the United States. The list is divided into three parts. The first part contains a list of ship stations, grouped

by countries and arranged alphabetically; the second part contains a list of land stations arranged in the same manner; and the third part contains tables of land line and cable charges from coast radio stations to inland and various other points. In computing the total word rate applicable to a radiogram from a ship station to an inland point, or vice versa, the three rates must be added. The rates in the international list are given in francs, but may be converted into dollars and cents by multiplying by five. Supplements to the international list will be issued monthly, and will contain new stations and tables of alterations. A copy of the international list should be in every land and ship station open to commercial business as the official tariff book.

The International Alphabetical List of Call Letters (stations of the world) is also issued by the International Bureau at Berne, and supplements will be issued monthly.

Neither the international list nor the supplements will contain a list of amateur stations.

Inquiries as to the subscription prices of these lists should be made direct to the Berne bureau at the address given above. Remittances to Berne should be made by international postal money orders.

E. T. CHAMBERLAIN, Commissioner of Navigation.

Approved:

WILLIAM C. REDFIELD, Secretary.

PART I.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

[This list includes commercial, special, Army, Navy, and all other land stations except restricted and general amateur. The special land stations are grouped at the end of this list.]

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
Annapolis, Md	NAK		0	8 a. m. to 10 p. m.	U. S. Navy.
Arlington, Radio, Va.	NAA		О	N	U. S. Navy.
Ashtabula, Ohio	WSA	300, 600	PG	6.30 a. m. to 6 p. m.	Marconi Co.
Astoria, Oreg	KPC	300, 600	PG	N	Marconi Co.
Avalon, Cal	KPI	300, 600	PR	7 a. m. to 8 p. m.	Marconi Co.
Balboa, Panama	NPJ	600	PG	N	U. S. Navy.
Baltimore, Md	WBS	300, 550, 600	PG	6 a. m. to midnight.	Marconi Co.
Beaufort, N. C	NAN		0	N	U. S. Navy.
Belmar, N. J.	WII				Marconi Co.
Benton Harbor, Mich.	WBN				Marconi Co.
Binghamton, N. Y	WBT	1610	PR	X	D., L. & W. R. R.
Bolinas, Cal	KET		• • • • •		Marconi Co.
Boston, Mass	WCH	300, <i>600</i> , 1610, 2000, 2400, 2800	P	X	Nat. Elec. Signal- ing Co.
Boston, Mass	WBF	300, 600	PG	N	Marconi Co.
Boston, Mass	NAD		0	N	U. S. Navy.
Bremerton, Wash. See Puget Sound.					
Brooklyn, N. Y	WCG	300, 600, 1610, 2000, 2400, 2800	PR	4 a. m. to 9 p. m.	Nat. Elec. Signal- ing Co.
Buffalo, N. Y	WBL	300, 600	PG	• • • • • • • • • • • • • • • • • • • •	Marconi Co.
Burrwood, La	WBW				Tropical Radio Tel- egraph Co.
Calumet, Mich	WCM	 			Marconi Co.

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LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
Cape Blanco, Oreg	NPF	600	PG	N	U. S. Navy.
Cape Cod, Mass	NAE		0	N	U. S. Navy.
Cape Hatteras (Buxton), N. C.	WHA	300, 600	PG	N	Marconi Co.
Cape May, N. J	WCY	300, 600	PG	N	Marconi Co.
Cavite, P. I	NPO		0	N	U. S. Navy.
Charleston, S. C	NAO	600	PG	N	U. S. Navy.
Chicago, Ill	WGO	300, 600	PG	12.30 p. m. to 7 p. m.; 8 p. m. to 11.30 p.m.; 12.30 a.m. to 7 a. m.; 8 a. m. to 11.30 a.m.; when lake is open to n a viga- tion.	Marconi Co.
Chignik, Alaska	KHC	:			Marconi Co.
Circle City, Alaska	WVA	600, 1400	О		U. S. Army.
Clarks Point, Alaska	KHG				Marconi Co.
Cleveland, Ohio	wcx	300, 600	PG		Marconi Co.
Colon, Panama	NAX	600	PG	N	U. S. Navy.
Cordova, Alaska	NPA	600	PG	N	U. S. Navy.
Corregidor Isld., P. I. See Fort Mills.		·			
Cuyo, P. I	wvx	600, 1200	PG	7 a. m. to	Insular Govt., Philippine Islds.
Daly City, Cal. See Hillcrest.				6.15 p. m.	ippme isids.
Davao, Mindanao Isld., P. I.	wvo	600, 1200	PG	7 a. m. to 6 p. m.	U. S. Army.
Detroit, Mich	WDR	300, 600	PG	7 a. m. to 11.30 a. m.; 12.30 p. m. to 6.00 p. m.; 7 p. m. to 11 p. m.; midnight to 6 a.m.	Marconi Co.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
Diamond Shoals Lightship (off Cape Hatterss, N. C.).	NLB		0	6 a. m. to 10 p. m.	U. S. Navy.
D., L. & W. R. R. limited train.	WBI				D., L. & W. R. R.
Douglas, Ariz	KDC	300. 600	P	10 a. m. to 11 a. m.;4 p. m. to 5	Copper Queen Consolidated Mining Co.
Dover, N. J	WBX			p. m.	D., L. & W. R. R.
Duluth, Minn	WDM	300, 600	PG	Apr. 15 to Dec. 15: N, ex- c e p t from 6 a. m. to 7 a. m.; 12 noon to 1 p. m.; 6p. m. to 7 p. m. Dec. 15 to Apr. 15: 7 a. m. to 7 p. m., ex- c e p t from 12 noon to 1 p. m.	Marconi Co.
Dutch Harbor, Alaska	NPR	600	PG	N	U. S. Navy.
East San Pedro, Cal	KPJ	300, 500, 600	$\{^{\mathbf{PR}}_{\mathbf{PG}}$	} N	Marconi Co.
Ellamar, Alaska	KIS			· · · · · · · · · · · · · · · · · · ·	Marconi Co.
El Paso, Tex	WEP	2000, 2500, 2900. 3500	PR	6 a. m. to 7 p. m.	Federal Telegraph Co.
Ensenada, P. R	WPR				Guanica Centrale.
Eureka, Cal	KPM				Marconi Co.
Eureka, Cal	NPW	600	PG	N	U. S. Navy.
Fairbanks, Alaska	wvb	600, 1400	PG		U. S. Army.
Farallons, Cal	NPI		0	N	U. S. Navy.
Fire Island, N. Y	NAG		0	N	U. S. Navy.
Fort Andrews, Mass	WUA		o]	U. S. Army.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

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Station.	Call signal.	Wave lengths.	Serv-	Hours of operation.	Station controlled by—
	2-611111				
Fort De Russy, Hawaii.	WZG		0		U. S. Army.
Fort Drum, El Fraile Isld., Manila Bay, P. I.	WVP		0		U. S. Army.
Fort Egbert, Eagle, Alaska.	wvc	600, 1400	0		U. S. Army.
Fort Frank, Carabao Isld., Manila Bay, P. I.	WVL		0		U. S. Army.
Fort Gibbon, Tanana, Alaska.	WVD	1600, 2000	0		U. S. Army.
Fort Hancock, N. J.	WUB		0		U. S. Army.
Fort H. G. Wright, N. Y.	wuc		o		U. S. Army.
Fort Hughes, Caballo Isld., Manila Bay, P. I.	WVM		0		U. S. Army.
Fort Leavenworth, Kans.	WUD	1800	o		U. S. Army.
Fort Leavenworth, Kans. (Army Sig- ual School).	wuv		0		U. S. Army.
Fort Levett, Me	WUE		0		U. S. Army.
Fort Mills, Corregi- dor Isld., Manila Harbor, P. I.	WVN		0		U. S. Army.
Fort Monroe, Va	WUF		0		U. S. Army.
Fort Monroe, Va. (Coast Artillery School).	WUG		0		U. S. Army.
Fort Morgan, Ala	WFM				Marconi Co.
Fort Omaha, Nebr	WUH	1600	0		U. S. Army.
Fort Riley, Kans	WUI	1200	0		U. S. Army.
Fort Sam Houston, Tex.	WUJ	650	o		U. S. Army.
Fort Shafter, Hono- lulu, Hawaii.	WZH	300	o		U. S. Army.
Fort Stevens, Oreg	WUK	l	o		U. S. Army.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal,	Wave lengths.	Serv-	Hours of operation.	Station controlled by—
Fort St. Michael, St. Michael Isld., Alaska.	WVE	600, 1200	PG	9 a. m. to 9 p. m.	U. S. Army.
Fort Terry, N. Y	wuw	1200	o		U. S. Army.
Fort Totten, N. Y	WUL		0		U. S. Army.
Fort Winfield Scott, Cal.	wuo		o		U. S. Army.
Fort Wint, Grand Isld., Manila Bay, P. I.	WVR		o		U. S. Army.
Fort Wm. McKinley, Luzon Isld., P. I.	wvq	600	o		U. S. Army.
Fort Wood, N. Y	WUM		o		U. S. Army.
Fort Worden, Wash	WUN		o		U. S. Army.
Fort Worth, Tex	WFF	2000, 2500, 2900, 3500	PR	6 a. m. to 6 p. m.	Federal Telegraph Co.
Frankfort, Mich	WFK	300, <i>600</i>			Marconi Co.
Friday Harbor, Wash.	KPD	300, 600	PG	7 a. m. to 2.30 a. m.	Marconi Co.
Frying Pan Shoals Lightship (off Cape Fear, N. C.)	NLC		0	6 a. m. to 10 p. m.	U. S. Navy.
Galveston, Tex	WGV	300, 600	PG	7 a. m. to 11 p. m.	Marconi Co.
Grand Haven, Mich	WGH	30 0, <i>600</i>	PR		Marconi Co.
Grand Marais, Minn	WGM	300, 600	PR		Marconi Co.
Guam, Marianne Islds., Pacific Ocean.	NPN	600	PG	N	U. S. Navy.
Guantanamo Bay, Cuba.	NAW	600	PG	N	U. S. Navy.
Hatteras, N. C. See Cape Hatteras.					
Heeia Point, Hawaii	кнх	300, 600, 3000, 3500, 5500, 8000, 10000, 12000	PR	N	Federal Telegraph Co.
Hillcrest, Cal	КРН	300, 600	PG	N	Marconi Co.
Hoboken, N. J	WBU				D., L. & W. R. R.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS-Continued.

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
Hollister (near), Cal	KGH	300, 600, 1700	PR	X	George Hewlett (Inc.).
Honolulu, Hawaii	NPM		o	N	U. S. Navy.
Isle Royal, Mich	WRO	300, 600			Marconi Co.
Jacksonville, Fla	WJX	300, 600	PG	5.30 a. m. to mid- night.	Marconi Co.
Jolo, Jolo Isld., P. I	wvs	600	PG	7 a. m. to 5.15 p. m.	Insular Govt., Phil- ippine Islds.
Jualin, Alaska	KJA				Marconi Co.
Juneau, Alaska	KDU		 		Marconi Co.
Jupiter, Fla	NAQ	600	PG	N	U. S. Navy.
Kahuku, Hawaii	KIE				Marconi Co.
Kahuku, Hawaii	кнк				Mutual Telephone Co. (Ltd.).
Karluk, Alaska	KHA		 -		Marconi Co.
Kaunakakai, Hawaii.	кно	<i>300</i> , 450	PR	X	Mutual Telephone Co. (Ltd.).
Kawaihae, Hawaii	KHN	300, 600			Mutual Telephone Co. (Ltd.).
Ketchikan, Alaska	крв		 .		Marconi Co.
Key West, Fla	NAR	600	PG	N	U. S. Navy.
Kodiak, Alaska	NPS	600	PG	N	U. S. Navy.
Kogiung, Alaska	кнв		ļ		Marconi Co.
Koko Head, Hawaii	кнј		.		Marconi Co.
Koko Head, Hawaii	KIE		 		Marconi Co.
"Lackawanna Limited." See D., L. & W. R. R. lim-	WVF	600	PG	9 a. m. to 9 p. m. during season of navi- gation only.	U. S. Army.
ited train. Lahaina, Hawaii	KHL	300, 600	PG		Mutual Telephone
Lanama, 118Wall		300, 000	1 4	1	Co. (Ltd.).

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS-Continued.

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
Lihue, Hawaii	кнм	300, 600	PG		Mutual Telephone Co. (Ltd.).
Los Angeles, Cal	KEX	300, 600	P	9 a. m. to 5 p. m.	Marconi Co.
Los Angeles, Cal	KLS		 		Federal Telegraph
Ludington, Mich	WLD	300, 600	PG	7 a. m. to 6 p. m.; 7 p. m. to 6 a.m. Apr. 15 to Dec. 15 only.	Marconi Co.
Mackinac Island, Mich.	WHQ		ļ		Marconi Co.
Malabang, Minda- nao Isld., P. I.	WVT	600, 1200	PG	7 a. m. to 7.30 p. m.	Insular Govt., Phil- ippine Islds.
Manila, P. I	WVU	600	0		U. S. Army.
Manistique, Mich	WMX				Marconi Co.
Manitowoc, Wis	WMW	300, 600	PG	8 a. m. to 11.20 a.m.; 2.30 p. m. to 6 p. m.; 7.30 p. m. to 9 p. m.	Marconi Co.
Mare Island, Cal	NPH		o	N	U. S. Navy.
Marshall, Cal. See Bolinas, Cal.					·
Marshfield, Oreg	KPX	300, 435, 600	PG	8 a. m. to 6 p. m.	Marconi Co.
Miami, Fla	WST	300, 600, 1800	PG	N	Marconi Co.
Milwaukee, Wis	WME	300, 600	PG	1.30 a. m. to 6 a. m.; 7 a. m. to 12.30 p.m.; 1.30 p. m. to 6 p. m.; 7 p. m. to 12.30 a.m.	Marconi Co.
Mobile, Ala	WMB	300, 600	PG	7 a. m. to 9 a. m.; 10 a. m. to noon; 2 p. m. to 6 p. m.	Marconi Co.
Naknek, Alaska	кнт				Marconi Co.
Nantucket Shoals Lightship (off Newport, R I.).	NLA		O	4 a. m. to midnight	U. S. Navy.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS-Continued.

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
New Brunswick, N. J. See Bel- mar, N. J.					
New London, Conn.	NRZ	300, 600	10	x	U. S. R. C. S.
New London, Conn.	WLC	300, 510, 600, 1610, 1700, 1800, 1900, 2000.	PG	8 p. m. to 4. a. m.	T. A. Scott Co.
New Orleans, La	NAT		0	8 a. m. to 10 p. m.	U. S. Navy.
New Orleans, La	WHK	300, 600	PG	7 a. m. to 11 p. m.	Marconi Co.
New Orleans, La	WNU				Tropical Radio Tel- egraph Co.
Newport, R. I	NAF		o	N	U. S. Navy.
Newport, R. I	WCI	300, 400, 500, 600.	PG	7 p. m. to 5 a. m.	Nat. Elec. Signal- ing Co.
Newton, Mass	WLN	300, <i>600</i> , 1650, 2000.	PR	X	Ralph C. Emery.
New York, N. Y	NAH		0	N	U. S. Navy.
New York, N. Y	WHB	300, 600, 1610	PG	N	N. Y. Herald Co.
New York, N. Y	WHD				N. Y. City Fire Dept.
New York, N. Y	WHI	300, 600	PG	N	Marconi Co.
New York, N. Y	WNT	300, 600, 1800	PG	N	Atlantic Communi- cation Co.
Nome, Alaska	WVG	600, 2000	PG	9 a. m. to 9 p. m.	U. S. Army.
Norfolk, Va	NAM		0	N	U. S. Navy.
North Head, Wash	NPE	600	PG	N	U. S. Navy.
Nulato, Alaska	WVH	2000	0		U. S. Army.
Nushagak, Alaska	KHF				Marconi Co.
Olongapo, P. I	NPT		0	N	U. S. Navy.
Peking, China	NPP		0	N	U. S. Navy.
Pensacola, Fla	NAS	600	PG	N	U. S. Navy.
Petersburg, Alaska	wvi	600	PG	9 a. m. to 9 p. m.	U. S. Army.

This station will accept general public service in emergencies, when open. 54773°—14——2

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LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS-Continued.

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by-
Philadelphia, Pa	WHE	300, 600, 1610	PG	N	Marconi Co.
Philadelphia, Pa	NAI		O	N	U. S. Navy.
Phoenix, Ariz	КHQ				Federal Telegraph Co.
Point Arguello, Cal	NPK	600	PG	N	U. S. Navy.
Port Arthur, Tex	WRU	300, 600	PG	6.30 a.m. to 7.30 a.m.; 9.30 a.m. to 10.30 a.m; 2.30 p. m. to 3.30 p.m.; 4.30 p.m. to 5.30 p. m.; 7 p.m. to 8 p.m. to 8	Marconi Co.
Portland, Me	NAB		0	8 a. m. to 10 p. m.	U. S. Navy.
Portsmouth, N. H	NAC		O	N	U. S. Navy.
Puerto Princesa, Paragua, P. I.	wvv	600, 1200	PG	7 a. m. to 6 p. m.	Insular Govt., Phil- ippine Islds.
Puget Sound, Wash	NPC		О .	N	U. S. Navy.
River Rouge, Mich. See Detroit, Mich.					
Sagaponack, N. Y	wsk	300, 600	PG	N	Marconi Co.
San Diego, Cal	KSD		<u> </u>		Federal Telegraph Co.
San Diego, Cal	NPL	600	PG	N	U. S. Navy.
San Francisco, Cal	KFS	300, 600, 3000, 3500, 3700, 3800	PR	N	Federal Telegraph Co.
San Francisco, Cal. See Hillcrest.					Marconi Co.
San Jose, Mindoro Isld., P. I.	wvy	600	PG	7 a. m. to 6.15 p. m.	Insular Govt., Phil- ippine Islds.
San Juan, P. R	NAU	600	PG	N	U. S. Navy.
San Luis Obispo, Cal.	KDN	300, 600	PG	8.30 a. m. to noon; 1.30 p.m. to 5 p.m.; 7.30 p.m. to 10 p.m.	Marconi Co.
San Pedro, Cal. See East San Pedro.	•				
Sault Ste. Marie, Mich.	wsi .			l <u>.</u>	Marconi Co.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS-Continued.

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
Savannah, Ga	wsv	300, 600	PG	6 a. m. to midnight.	Marconi Co.
Sayville, N. Y	WSL	300, 600, 2740	PG	N	Atlantic Communi- cation Co.
Sayville, N. Y	WSL	2480, 2740, 3600, 4800, 8000.	PR	x	Atlantic Communi- cation Co.
Scranton, Pa	WTP				D., L. & W. R. R. Co.
Sea Gate, N. Y	WSE	300, 600	PG	N	Marconi Co.
Seattle, Wash	KPA	300, 600	PG	N	Marconi Co.
Siasconset, Mass	WSC	300, 600	PG	N	Marconi Co.
Sitka, Alaska	NPB	600	PG	N	U. S. Navy.
South San Francisco, Cal.	KSS	300, 600, 3000, 3500, 5000, 8000,10000, 12000.	PR	N	Federal Telegraph Co.
South Wellfleet, Mass.	WCC	300, 600, 2040	PG	N	Marconi Co.
St. Augustine, Fla	NAP	600	PG	N	U. S. Navy.
St. George, Pribilof Islds., Alaska.	NPY	600	O	X	U. S. Navy.
St. Paul, Pribilof Islds., Alaska.	NPQ	600	PG	N	U. S. Navy.
Tampa, Fla	WPD	300, 600	PG	June 1 to Sept. 30: 7a. m. to 10a. m.; noon to 3 p. m; 6 p. m. to 8 p. m. Oct. 1 to May 31: 7a. m. to 1 a. m.	Marconi Co.
Tatoosh, Wash	NPD	600	PG	N	U. S. Navy.
Tuckerton, N. J	WGG		 		
Tutuila, Samoa	NPU	600	PG		U. S. Navy.
Unalga, Alaska	NPV	600	PG	N	U. S. Navy.
Virginia Beach, Va	WSY	300, 600	PG	N	Marconi Co.
Washington, D. C. (Navy Yard).	NAL		0	N	U. S. Navy.
Washington, D. C. (U. S. Capitol).	NZY	250, 650, 1000	0	x	Supt. U. S. Capitol Building and Grounds.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS-Continued.

Station.	Call signal.	Wave lengths.	Serv-ice.	Hours of operation.	Station controlled by—
Washington, D. C. (Army Signal Corps Laboratory).	WUP		0		U. S. Army.
Washington, D. C. (Bureau of Standards).	WUQ		0		U. S. Army.
Wrangell, Alaska	WVJ	300, 600	PG	9 a. m. to 9 p. m.	U. S. Army.
Zamboango, Minda- nao Isld., P. I.	wvw	600, <i>1200</i>	PG	7 a. m. to 7.30 p.m.	Insular Govt., Phil- ippine Islds.

SPECIAL STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

[Variable wave lengths authorized for experimental purposes are indicated by an asterisk (*).]

Alameda, Cal	6XS	300, 600*	P	x	Hugh R. Sprado.
Ames, Iowa	9YI	300*	P	x	Iowa State College of Agriculture and Mechanic Arts.
Amesbury, Mass	1XA	300, 600*	P	X	Wireless Specialty Apparatus Co.
Ann Arbor, Mich	8XA	450, 600	P	X	University of Michigan.
Atlanta, Ga	4XG	300*	P	X	Georgia School of Technology.
Beloit, Wis	9XB	(*)	P	x	Beloit College.
Berkeley, Cal	6XB	200-3000*	P	X	University of California.
Berkeley, Cal	6XR	300, 600*	P	x	Frank Rieber.
Boston, Mass	1XB	300, 600*	P	x	Wireless Specialty Apparatus Co.
Boston, Mass	1XH	300, 400, 600*	P	х	Holtzer-Cabot Elec- tric Co.
Cambridge, Mass	1XP	300, 550, 600	P	x	George W. Pierce.
Cambridge, Mass	1 YH	300, 550, 600*	P	X	Harvard University.
Charleston, S. C	4YC	300, 600	P	x	"The Citadel" (S. C. Military Academy).
Chelsea, Mass	1XC	300, 600, 700*	P	x	Wm. J. Murdock Co.
Columbia University, N. Y. City.	2XM	600,1845,2220, 2630	P	x	John H. Morecroft.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

SPECIAL STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Station. Call signal. Wa		Serv- ice.	Hours of operation.	Station controlled by—
Detroit, Mich	8YD	300, 400, 600	P	9a. m. to 3 p. m.; 7 p. m. to 9 p. m.	Wm. J. Meisen heimer.
Friendship Heights, D. C.	3ZF	200, 250	P	X	John V. Purssell.
Gloucester, Mass	1XI				John Hays Ham- mond, jr.
Grand Forks, N. Dak.	9YN	500-730*	P	X	University of North Dakota.
Hyattsville, Md	3XR	300, 400, 600*	P	X	J. Harris Rogers.
Kansas City, Mo.1	9XH	(*)	P	x	Harry D. Betz.
Key West, Fla	4XA	200, 600	P	x	George W. Almour.
Los Angeles, Cal	6XL	300, 485, 510, 600*	P	х	Y. M. C. A.
Los Angeles, Cal	6YL		P	x	High School.
Memphis, Tenn	5XC	482, 500, 550, 600	P	X	Christian Brother College.
Memphis, Tenn	5 Z D	600	P	x	C. B. De La Hunt.
Minneapolis, Minn	9ZE	200*	P	x	Philip E. Edelman
New Bedford, Mass	1 Z O	200, 300*	P	x	Lester I. Jenkins.
New York, N. Y	2XH	300, 600, 800*	P	x	Walter G. Hudson.
New York, N.Y	2XN	300, 600*	P	X	Alfred N. Goldsmith (College of the City of New York).
New York, N. Y. See Columbia University.	2XM				
Nutley, N. J	2ZH	200,300,450,600	P	· x	Arthur A. Hebert.
Oakland, Cal	6XC	300, 550, 600*	P	x	Lewis M. Clement
Oakland, Cal	6YE	300, 500, 600	P	x	Ellery W. Stone.
Oakland, Cal	6XT	300, 600, 800*	P	x	Howard H. Tremble
Philadelphia, Pa	зхс	300, 480, 600*	P	x	Frank B.Chambers
Philadelphia, Pa	3XJ	300, 500, 600	P	x	St.Joseph's College
Pittsfield, Mass	1XG	600*	P	$ $ \mathbf{x}	General Electric Co

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

SPECIAL STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
Quarantine, Curtis Bay, Md.	3ZR	300, 600	P	Sunrise to sunset and un- til 10 p.m.	Thomas L. Richardson.
Riverdale, Md	3ZD		 		Frank A. DeGroot.
San Diego, Cal	6Y8	300, 500, 600	P	X	Southern Elec- trical Co.
San Francisco, Cal	6XA	300, 600*	P	· X	Howard G. Ayls- worth.
San Francisco, Cal	6XH	600*	P	x	Wm. W. Hanscom.
Savannah, Ga	4XL	300, 460, 560, 600*	P	X	Claude A. Lewis and Manning White.
Slingerlands, N. Y	2XD	200, 400, 500, 900, 2000,5000	P	X	Burr V. Deitz.
St. Davids, Pa	3 Z S	300, 450, 600	P	x	Chas. H. Stewart.
St. Louis, Mo	9 Y C		P		Christian Brothers College.
Steamship "Tyler"	2XT		P	x	D. G. McCaa.
Summit, N.J	2XW	600*	P	x	Frank N Waterman.
Takoma Park, Md	3XB	300, 450, 500, 600, 800, 900, 1100	P	х	Bliss Electrical School.
Valparaiso, Ind	9XD	300, 600*	P	<u>X</u>	Dodge's Institute of Telegraphy.
Washington, D. C	3ZH		P		H. B. DeGroot.
Watchaug Pond, R. I.	1XW		 		Ralph C. Watrous.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS.

[This list includes stations on merchant vessels, yachts, vessels of the Army, the Navy, and the Revenue-Cutter Service.]

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Abarenda	NOB	600	PG	Government	U. S. Navy.
Acushnet	NRU	300	PG	do	U. S. R. C. S.
Adeline Smith	WHS	l	 .	Inter-Ocean Transp. Co.	

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv-ice.	Owner of vessel (line).	Station controlled by—
Admiral Dewey	WAY	300, 600	PG	Pacific-Alaska Nav. Co	Marconi Co.
Admiral Evans	WAB	300, 600	PG	Alaska-Pacific S. S. Co	Marconi Co.
Admiral Farragut.	WAF			Pacific-Alaska Nav. Co	
Admiral Sampson.	WAS	300, 600	PG	Alaska-Pacific S. S. Co	Marconi Co.
Admiral Schley	WAZ	300, 600	PG	Pacific-Alaska Nav. Co	• Marconi Co.
Admiral Watson	WAW	300, 600	PG	Alaska-Pacific S. S. Co	Marconi Co.
Advance	KMV	300, 600	PG	Panama R. R. Co	Atlantic Com- munication Co.
Adventuress	KYV			John Borden	
A. G. Lindsay	wno			Pacific-American Fisheries.	
Ajax	NBH	300, 600	PG	Government	U. S. Navy.
Alabama	WFB	300, 600	PG	Goodrich Transit Co	Marconi Co.
Alabama	KSX	300, 600	PG	Baltimore Steam Pack- et Co.	Marconi Co.
Alabama	NBI	300, 600	PG	Government	U. S. Navy.
Alameda	WAA	300, 600	PG	Alaska S. S. Co	Marconi Co.
Alamo	KEJ	300, 600	PG	Mallory S. S. Co	Marconi Co.
Alaskan	WKA	300, 600	PG	American-Hawaiian S.S.	Atlantic Com- munication Co.
Albany	NBJ	300, 600	PG	Government	U. S. Navy.
Albatross	NQY	300, 600	PG	do	U. S. Navy.
Alert	NBL	300, 600	PG	do	U. S. Navy.
Algonquin	KVG	300, 600	PG	Clyde S. S. Co	Marconi Co.
Algonquin	NRA	300, 600	PG	Government	U. S. R. C. S.
Al-Ki	WNK	300, 600	PG	H. C. Strong	Marconi Co.
Alliança	KMA	300, 600	PG	Panama R. R. Co	Marconi Co.
Alliance	WRV			Cal. & Oreg. Coast S. S.	
Aloha	KYH		 	Arthur Curtiss James	
Alvina	WEY		 	Thomas F. Cole	, .
America	KNZ		ļ	Brooklyn & Manhattan Ferry Co.	

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
American	WKF	300, 600	PG	American-Hawaiian S.S. Co.	Atlantic Com- munication Co.
Ammen	NBP	300, 600	PG	Government	U. S. Navy.
Amphitrite	NHG	300, 600		do	
Ancon	KMS	300, 600	PG	Panama R. R. Co	Atlantic Com- munication Co.
Androscoggin	NRD	300, 600	PG	Government	U. S. R. C. S.
Annapolis	NBR	300, 600	PG	do	U. S. Navy.
Ann Arbor No. 3	WDN	300, 600	PG	Ann Arbor R. R. Co	Marconi Co.
Ann Arbor No. 4	WDO	300, 600	PG	do	Marconi Co.
Ann Arbor No. 5	WDP	300,600	PG	do	Marconi Co.
Antilles	KKA	300, 600	PG	Southern Pacific Co	Marconi Co.
Apache	KVA	300, 600	PG	Clyde S. S. Co	Marconi Co.
Apache	NRP	300, 600	PG	Government	U. S. R. C. S.
Arapahoe	KVB	300, 600	PG	Clyde S. S. Co	Marconi Co.
Arethusa	NBU	300, 600	PG	Government	U. S. Navy.
Argyll	WTB			Union S. S. Co. (Union Oil Co.).	
Arizona	WFG	300, 600	PG	Goodrich Transit ('o	Marconi Co.
Arizonan	W K B	300, 600	PG	American-Hawaiian S.S. Co.	Atlantic Com- munication Co.
Arkansas	NBV	300, 600	PG	Government	U. S. Navy.
Aroline	WRJ	300, 600	PG	Aroline S. S. Co	Marconi Co.
Ashtabula	WEZ	300, 600	PG	Pennsylvania & Ontario Nav. Co.	Marconi Co.
Asuncion	WTX		 	Associated Oil Co	
Atalanta	KYA		 	George J. Gould	
Atlantic City	KMN			Atlantic City Transp.	Marconi Co.
Atlas	WTT	300, 600	PG	Standard Oil Co	Marconi Co.
Aylwin	NIH	300,600	PG	Government	U. S. Navy.
Aztec	wwQ	300,600	PG	Pacific Mail S. S. Co	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Bache	NLK	300, 400 600		Government	U. S. Dept. of Commerce.
Bailey	NCF	300, 600	PG	do	U. S. Navy.
Bainbridge	NIA	300, 600	PG	do	U. S. Navy.
Balch	NII	300, 600	PG	do	U. S. Navy.
Baltimore	NCH	300, 600	PG	do	U. S. Navy.
Bayamon	KDX		 	A. H. Bull S. S. Co	
Bay State	KRE	300, 600	PG	Eastern S. S. Corp	Marconi Co.
Beale	NCL	300, 600	PG	Government	U. S. Navy
Bear	NRB	300, 600	PG	do	U. S. R. C. S.
Bear	WWD	300, 600	PG	San Francisco & Port- land S. S. Co.	Marconi Co.
Beaver	wwB	300, 600	PG	do	Marconi Co.
Belfast	KRD	300, 600	PG	Eastern S. S. Corp	Marconi Co.
Beluga	WLB			American Deep Sea Ex- ploration Co.	Marconi Co.
Benham	NIJ	300, <i>600</i>	PG	Government	U. S. Navy.
Berkshire	KQB	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Berlin	WRB	•••••••		Alaska-Portland Pack- ers' Assn.	
Bertha	WBR	 	ļ	Alaska Coast Co	
Beverly	KND	300, 600	 .	Colonial Nav. Co	
Birmingham	NCN	300,600	PG	Government	U. S. Navy.
Borinquen	KDW	300, 600	PG	Ocean Freight Line (Inc.).	Marconi Co.
Boston	KXA	300, 450, 500, 550, 600	PG	New England S. S. Co	Nat.Elec. Sig- naling Co.
Brazos	KEZ	300, 600	PG	Mallory S. S. Co	Marconi Co.
Breakwater	WBK			Southern Pacific Co	
Brilliant	KTI	300, 600	PG	Standard Oil Co	Marconi Co.
Brooklyn	NFA	300, 600	PG	Government	U. S. Navy.
Brunswick	KOS	300, <i>600</i>	PG	Gulf & Southern S. S. Co.	Marconi Co.
Prutus	NNA	300, 600	PG	Government	U. S. Navy.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

					
Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Buffalo	NCU	300, 600	PG	Government	U. S. Navy.
Buford	WXA	600	PG	do	U. S. Army.
Bunker Hill	KJB		 	Eastern S. S. Corp	
Burnside	WXR	600	o	Government	U. S. Army.
Burrows	NCV	300, 600	PG	do	U. S. Navy.
Cabrillo	WBV	300, 500, 600	PG	Wilmington Transp. Co.	Marconi Co.
Caesar	NCY	300, 600	PG	Government	U. S. Navy.
California	KYQ		:	Mrs. Clara B. Stocker	
California	NCZ	300, 600	PG	Government	U. S. Navy.
Californian	wkc	300, 600	PG	American-Hawaiian S.S.	
Calvin Austin	KRN	300, 600	PG	Eastern S. S. Corp	Marconi Co.
Camden	KRC	300, 600	PG	do	Marconi Co.
Camino	WQC	300, 600	PG	Western Steam Nav. Co.	Marconi Co.
Cape Cod	KPW			George R. West	
Captain A. F. Lucas.	WTV	300, 600	PG	Standard Oil Co. of Cal.	Marconi Co.
Captain A. M. Wetherill.	WYT	300	0	Government	U. S. Army.
Captain Barrett	WYP	300	0	do	U. S. Army.
Captain Chas. W. Rowell.	WYI	300	0	do	U. S. Army.
Captain James Fornance.	WYM	300	0	do	U. S. Army.
Caracas	KDB	300, 600	PG	Atlantic & Carribean Steam Nav. Co. (Red D Line).	Marconi Co.
Carlos	WNC	300, 600	PG	Olson & Mahony S. S.	Marconi Co.
Carolina	WFE	300, 600	PG	Goodrich Transit Co	Marconi Co.
Carolina	KGB		 	New York & Porto Rico S. S. Co.	Marconi Co.
Carolyn	KNF		 	A. H. Bull S. S. Co	
Cassandra	KYE	1	l	George J. Whelan	

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Cassin	NIK	300, 600	PG	Government	U. S. Navy.
Castine	NDA	300, 600	PG	Government	U. S. Navy.
Catania	WTI			Coast Oil Transp. Co	
Celilo	WMF	300, 600		Charles R. McCormick & Co. (Inc.).	Marconi Co.
Celtic	NDB	300, 600	PG	Government	U. S. Navy.
Centralia	WSN	300, 600	PG	Centralia Co	Marconi Co.
Chalmette	`KKC	300, 600	PG	Southern Pacific Co	Marconi Co.
Charleston	NFE	300, 600	PG	Government	U. S. Navy.
Chattanooga	NGI	300, 600	PG	do	U. S. Navy.
Cherokee	KVK	300, 600	PG	Clyde S. S. Co	Marconi Co.
Chester	NDG	600	PG	Government	U. S. Navy.
Chester W. Chapin	KXQ	300, 450, 500, 550, 600	PG	New England S. S. Co	Nat. Elec. Sig- naling Co.
Cheyenne	NDH	300,600	PG	Government	U. S. Navy.
Chicago	WAC			Booth Fisheries Co	
Chicago	WFI	 		Goodrich Transit Co	
Chicago	NDI	300, 600	PG	Government	U. S. Navý.
China	WWA			Pacific Mail S. S. Co	
Chippewa	WBH			Puget Sound Nav. Co	
Christopher Co- lumbus.	WFJ	300, 600	PG	Goodrich Transit Co	Marconi Co.
Cincinnati	NDL	300, 600	PG	Government	U. S. Navy.
City of Alpena II.	WEH	300, 600	PG	Detroit & Cleveland Nav. Co.	Marconi Co.
City of Annapolis.	KSW	300, 600	PG	Chesapeake S. S. Co	Marconi Co.
City of Atlanta	KFB	300, 600	PG	Ocean S. S. Co. (Savan- nah Line).	Marconi Co.
City of Augusta	KFJ	300, 600	PG	do	Marconi Co.
City of Baltimore.	KRY	300, 600	PG	Mercantile Trust & Deposit Co. (Chesapeake S. S. Co.).	Marconi Co.
City of Bangor	KRH	l	J	Eastern S. S. Corp	

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv-	Owner of vessel (line).	Station controlled by—
City of Benton Harbor.	WDV	300, 600	PG	Graham & Morton Transp. Co.	Marconi Co.
City of Buffalo	WFQ	300, 600	PG	Cleveland & Buffalo Transit Co.	Marconi Co.
City of Chicago	WDT	300,600	PG	Graham & Morton Transp. Co.	Marconi Co.
City of Cleveland III.	WEA	300, 600	PG	Detroit & Cleveland Nav. Co.	Marconi Co.
City of Columbus	KFA	300, 600	PG	Ocean S. S. Co. (Savan- nah Line).	Marconi Co.
City of Detroit II	WEC	300, 600	PG	Detroit & Cleveland Nav. Co.	Marconi Co.
City of Detroit III.	WEF	300, 600	PG	do	Marconi Co.
City of Erie	WFP	300, 600	PG	Cleveland & Buffalo Transit Co.	Marconi Co.
City of Everett	KTQ			Standard Oil Co	
City of Grand Rapids.	WDS	300, 600	PG	Graham & Morton Transp. Co.	Marconi Co.
City of Lowell	кхв	300, 450, 500, 550, 600	PG	New England S. S. Co	Nat. Elec.Sig- naling Co.
City of Mackinac	WE B	300, 600	PG	Detroit & Cleveland Nav. Co.	Marconi Co.
City of Macon	KFC	300, 600	PG	Ocean S. S. Co. (Savan- nah Line).	Marconi Co.
City of Memphis	KFD	300, 600	PG	do	Marconi Co.
City of Montgom- ery.	KFY	300, 600	PG	do	Marconi Co.
City of Norfolk	KRZ	300, 600	PG	Mercantile Trust & Deposit Co. (Chesapeake S. S. Co.).	Marconi Co.
City of Panama	wwp		 	Pacific Mail S. S. Co	
City of Para	wwr	300, 600	PG	do	Marconi Co.
City of Puebla	WGQ	300, 600	PG	Pacific Coast Co	Marconi Co.
City of Richmond.	KSV	300, 600	PG	Mercantile Trust & Deposit Co. (Chesapeake S. S. Co.).	Marconi Co.
City of Rockland	KRI	300, 600	PG	Eastern S. S. Corp	Marconi Co.
City of St. Ignace.	WEG	300, 600	PG	Detroit & Cleveland Nav. Co.	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
City of St. Louis	KFX	300, 600	PG	Ocean S. S. Co. (Savan- nah Line).	Marconi Co.
City of Savannah	KFK	300, 600	PG	do	Marconi Co.
City of Seattle	WGA			Pacific Coast Co	Marconi Co.
City of South Haven.	WDI	 		Chicago & South Haven S. S. Co.	
City of Sydney	WWG	300, 600	PG	Pacific Mail S. S. Co	Marconi Co.
City of Taunton	KXL	300, 450, 500, 550, 600	PG	New England S. S. Co	Nat. Elec. Sig- naling Co.
City of Topeka	WGY	300, 600	PG	Pacific Coast Co	Marconi Co.
Cleveland	NDM	300, 600	PG	Government	U. S. Navy.
Coamo	KGA	300, 600	PG	New York & Porto Rico S. S. Co.	Marconi Co.
Col. E. L. Drake	WTS			Standard Oil Co	
Col. James M. Schoonmaker.	WEQ	300, 600	PG	Shenango S. S. Co	Marconi Co.
Colon	KMX	300, 600	PG	Panama R. R. Co	Atlantic Com- munication Co.
Colorado	KEA		 	Mallory S. S. Co	
Colorado	NDN	300, 600	PG	Government	U. S. Navy.
Columbia	KRO		 	Chesapeake S. S. Co	
Columbia	KYM	<i>300</i> , 550	P	J. Harvey Ladew	Owner of ves- sel.
Columbia	NGA	300, 600	PG	Government	U. S. Navy.
Columbia	WPW			Port of Portland	
Columbia	WHC	300, 600	PG	J. H. Wilson	Marconi Co.
Columbian	wks	300, 600	PG	American-Hawaiian S.S. Co.	Atlantic Com- munication Co.
Comal	KEM	300, 600	PG	Mallory S. S. Co	Marconi Co.
Comanche	KVC	300, 600	PG	Clyde S. S. Co	Marconi Co.
Comet	KTJ	300, 600	PG	Standard Oil Co	Marconi Co.
Commonwealth	KXC	300, 450, 500, 550, 600	PG	New England S. S. Co	Nat. Elec. Sig- naling Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Comus	KKD	300, 600	PG	Southern Pacific Co	Marconi Co.
Concho	KEC	300, 600	PG	Mallory S. S. Co	Marconi Co.
Concord	KNC	300, 450, 500, 550, 600	PG	Colonial Nav. Co	Nat. Elec. Sig- naling Co.
Congress	WGT	300, 600	PG	Pacific Coast Co	Marconi Co.
Connecticut	NDQ	300, 600	PG	Government	U. S. Navy.
Cordova	WAR	300, 600	PG	Alaska S. S Co	Marconi Co.
Coronado	wso			Coronado Co	
Corsair	KYC			J. P. Morgan estate	
Corwin	WNN			Kotzebue Transp. & Trading Co.	
Creole	KKR	300, 600	PG	Southern Pacific Co	Marconi Co.
Cretan	KQC	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Cristobal	KMD	300, 600	PG	Panama R. R. Co	Atlantic Com- munication Co.
Crook	WXB	600	PG	Government	U. S. Army.
Culgoa	NDU	300, 600	PG	do	U. S. Navy.
Cummings	NIL	300, 600	PG	do	U. S. Navy.
Currier	KNU	300, 600	PG	Cuba Distilling Co	Marconi Co.
Cushing	NIM	300, 600	PG	Government	U. S. Navy.
C. W. Morse	KMO	300, 600		McAllister Bros	Marconi Co.
Cyclops	NDY	300, 600	PG	Government	U. S. Navy.
Cyprus	KYD			Daniel C. Jackling	
Dakotan	WKD	300, 600	PG	American-Hawaiian S.S. Co.	Marconi Co.
Damara	WNM			Edgar F. Luckenbach	
Decatur	NJC	300, 600	PG	Government	U. S. Navy.
Delaware	NEK	300, 600	PG	do	U. S. Navy.
Delaware Sun	KTW	300, 600	PG	Sun Co	Marconi Co.
Delhi	WGD			Pacific Coast Co	
Denver	KED	300, 600	PG	Mallory S. S. Co	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	.Call	Wave	Serv-	Owner of vessel (line).	Station controlled
	signal.	lengths.	ice.		by
Denver	NEM	300, 600	PG	Government	U. S. Navy.
Des Moines	NEN	300, 600	PG	do	U. S. Navy.
Diamond Head	WNL			Tyee Co	
Dirigo	WAO		ļ	Alaska S. S. Co	
Dix	WXC	600	PG	Government	U. S. Army.
Dixie	NEP	300, 600	PG	do	U. S. Navy.
Dolphin	WAU		ļ	Alaska S. S. Co	Marconi Co.
Dolphin	NEQ	300, 600	PG	Government	U. S. Navy.
Dora	WAH			Alaska S. S. Co	
Dorchester	KQD	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Dorothy Bradford.	KNA	300, 600	PG	Cape Cod S. S. Co., trustees.	Marconi Co.
Downes	NIN	300, 600	PG	Government	U. S. Navy.
Drayton	NET	300, 600	PG	do	U. S. Navy.
Dubuque	NEU	300,600		do	
Duncan	NIR	300, 600	PG	do	U. S. Navy.
E-1	NXS	300,600	PG	do	U. S. Navy.
E-2	NXT	300, 600	PG	do	U. S. Navy.
Eagle	NFC	300,600	PG	do	U. S. Navy.
Eastern States	WEE	300, 600	PG	Detroit & Cleveland Nav. Co.	Marconi Co.
Eastland	WFN	300, 600	PG	St. Joseph-Chicago S. S. Co.	Marconi Co.
Edgar H. Vance	WQE			Nehalem S. S. Co	
E. G. Crosby	WEL	 		Crosby Transp. Co	
Edith	WAE		ļ	Alaska S. S. Co	
El Alba	KKL	300, 600	PG	Southern Pacific Co	Marconi Co.
Elcano	NFD	300, 600	PG	Government	U. S. Navy.
El Cid	ккт	300, 600	PG	Southern Pacific Co	Marconi Co.
El Dia	KKY	300, 600	PG	do	Marconi Co.
Elmer A. Keeler	KVU	l	l	Elmer A. Keeler	

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
El Mundo	KKU	300, 600	PG	Southern Pacific Co	Marconi Co.
El Norte	KKN		 	do	
El Occidente	KKX	300, 600	PG	do	Marconi Co.
El Oriente	KKV	300, 600	PG	do	Marconi Co.
El Rio	KKZ	300, 600	PG	do	Marconi Co.
El Segundo	WTQ		ļ	Standard Oil Co	
El Siglo	, KKS	300, 600	PG	Southern Pacific Co	Marconi Co.
El Sol	KKB	300, 600	PG	do	Marconi Co.
El Sud	KKQ	300, 600	PG	do	Marconi Co.
El Valle	KKW	300, 600	PG	do	Marconi Co.
Enterprise	WMN	300, 600	PG	Matson Nav. Co	Marconi Co.
Eocene	ктм			Standard Oil Co	Owner of ves- sel.
Erskine M. Phelps.	WTA		••••	William D. Sewall (Union Oil Co.).	
Esperanza	KWZ	300, 600	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Essex	KQE	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Evelyn	KNE		•••••	A. H. Bull S. S. Co	
Excelsior	кко	300, 600	PG	Southern Pacific Co	Marconi Co.
Explorer	NLI	300, 600	0	Government	U. S. Dept. of Commerce.
F-1	NXU	300.600	PG	do	U. S. Navy.
F-2	NXV	300, 600	PG	do	U. S. Navy.
F-3	NXW	300, 600	PG	do	U. S. Navy.
F-4	NXX	300,600	PG	do	U. S. Navy.
F. A. Kilburn	WRW	300, 600	PG	North Pacific S. S. Co	Marconi Co.
Falcon	WRK	300, 600	PG	Charles Nelson Co	Marconi Co.
Fanning	NFM	300,600	PG	Government	U. S. Navy.
Farragut	nvs	300, 600	PG	do	U. S. Navy.
Favorite	WCF	300, 600	PG	Great Lakes Towing Co.	Marconi Co.
Fifield	WRF	300, 600	PG	Fifield S. S. Co	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Finland	KSF			International Mercantile Marine Co. (Red Star Line).	Marconi Co.
Florence	KYF		ļ	Alphonse H. Alker	
Florida	KSY	300, 600	PG	Baltimore Steam Packet Co.	Marconi Co.
Florida	KUS		 	The Texas Co	Marconi Co.
Florida	NFR	300, 600	PG	Government	U. S. Navy.
Flusser	NFS	300, 600	PG	do	U. S. Navy.
Forward	KPF			Yankee Salvage Assn	Marconi Co.
Frank H. Buck	WTO	300, 600		Associated Oil Co	
Frieda	KFF	300, 600	PG	Union Sulphur Co	Marconi Co.
G-1	NXY	300, 600	PĠ	Government	U. S. Navy.
G-2	NXZ	300, 600	PG	do	U. S. Navy.
G-3	NYA	300, 600	PG	do	U. S. Navy.
G-4	NYB	300, 600	PG	do	U. S. Navy.
Galveston	NGD	300, 600	PG	do	U. S. Navy.
General A. M. Randol.	WYJ	300	o	do	U. S. Army.
General E. O. C. Ord.	WYF	400,600	o	do	U. S. Army.
General Harvey Brown.	WYK	300 -	o	do	U. S. Army.
General Henry J. Hunt.	WYD	400	o	do	U. S. Army.
General Henry Knox.	WYE	400	o	do	U. S. Army.
General Hubbard.	WMT			Hubbard S. S. Co	
General R. B. Ayres.	WYL	300	О	Government	U. S. Army.
General Robert Anderson.	WYH	300	0	do	U. S. Army.
General Royal T. Frank.	WYA	300	О	do	U. S. Army.

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SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
General S. N. Mills.	WYB	300, 600	О	Government	U. S. Army.
Genl. Pettibone	KUP	300, 600		Guyton & Co	Marconi Co.
Geo. W. Elder	WRT			North Pacific S. S. Co.	
George W. Fenwick.	WNG		ļ	Fenwick S. S. Co. (California & Atlantic S. S. Co.).	
Georgia	WFA	.		Goodrich Transit Co	
Georgia	NGF	300,600	PG	Government	U. S. Navy.
Georgian	WKG	300, 600	PG	American-Hawaiian S.S.	Marconi Co.
Glacier	NGH	600	PG	Government	U. S. Navy.
Glory of the Seas.	WBZ	[Glacier Fisheries Co	
Gloucester	KQG	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Gloucester	NSL	300, 600		Government	
Goldsborough	NGJ	300,600	PG	do	U. S. Navy.
Goliah	WPG		ļ	Puget Sound Tug Boat Co.	
Governor	WGR	300, 600	PG	Pacific Coast Co	Marconi Co.
Governor Cobb	KRB	300, 600	PG	Eastern S. S. Corp	Marconi Co.
Governor Dingley.	KRV	300, 600	PG	do	Marconi Co.
Grace Dollar	WSF	300, 600	PG	Grace Dollar S. S. Co	Marconi Co.
Grayson	KDV			Ocean Freight Line (Inc.)	
Grecian	KQR	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Greenwood	WQG	 		Greenwood S. S. Co	٠.
Gresham	NRG	300, <i>600</i> , 750	PG	Government	U. S. R. C. S.
Guardian	WGZ	300, 600	PG	Central & South American Telegraph Co.	Owner of vessel.
Gulfoil	КТG	300, 600	PG	Gulf Refining Co	Marconi Co.
H-1	NYC	300, 600	PG	Government	U. S. Navy.
Н-2	NYD	300, 600	PG	do	U. S. Navy.
Н-3	NYE	300, 600	PG	 do	U. S. Navy.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv-	Owner of vessel (line).	Station controlled
	Bigliai.	lengtus.		· · ·	by—
Hamilton	KOA	300, 600	PG	Old Dominion S. S. Co	Marconi Co.
Hanalei	WHN	300, 600	PG	Independent S. S. Co	Marconi Co.
Hancock	NHI	300, 600	PG	Government	U. S. Navy.
Hannibal	NGU	300, 600	PG	do	U. S. Navy.
Harvard	WRH	300, 600	PG	Metropolitan S. S. Co. (Pacific Steam Nav. Co.).	
Havana	KWH	300, 600	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Hawaiian	WKU	300, 600	PG	American-Hawaiian S. S. Co.	
Hector	NGX	300, 600	PG	Government	U. S. Navy.
Helena	NGY	300, 600	PG	do	U. S. Navy.
Henley	NHA	300, 600	PG	do	U. S. Navy.
Henry T. Scott	WRA		 	California S. S. Co	
Herman Frasch	KFH	300, 600	PG	Union Sulphur Co	·
Hermosa	WBP			Wilmington Transp. Co.	
Hilonian	WMM	300, 600	PG	Matson Nav. Co	Marconi Co.
Holland	WDW	300, 600	PG	Graham & Morton Transp. Co.	Marconi Co.
Honolulan	WKH	300, 600	PG	American-Hawaiian S. S. Co.	Marconi Co.
Hopkins	NHC	300, 600	PG	Government	U. S. Navy.
Howard	KQH	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Hull	NHE	300, 600	PG	Government	U. S. Navy.
Humboldt	WHX			Humboldt S. S. Co	Marconi Co.
Huron	кvн	300, 600	PG	Clyde S. S. Co	Marconi Co.
Hyades	WMK		 	Matson Nav. Co	
Iaqua	WLI	300, 600	PG	John A. McGregor	Marconi Co.
I. D. Fletcher	KFI			Coast Transit Co	
I. J. Merritt	KRQ	· · · · · · · · · · · · · · · · · · ·		Merritt & Chapman Derrick & Wrecking Co.	
Illinois	wcz	300, 600	PG	Northern Michigan Transp. Co.	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS--Continued.

Vessel.	Call signal.	Wave lengths.	Serv-	Owner of vessel (line).	Station controlled by—
Illinois	ктн			Texas S. S. Co	
Illinois	NHO	300, 600	PG	Government	U. S. Navy.
Independent	WPI		ļ	Weiding & Independent Fisheries Co.	
Indian	KQI	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Indiana	WFC	300, 600	PG	Goodrich Transit Co	Marconi Co.
Indiana	NHQ	300, 600	PG	Government	U. S. Navy.
Iowa	WFD	300, 600	PG	Goodrich Transit Co	Marconi Co.
Iowa	NHT	600	PG	Government	U. S. Navy.
Iowan	W.K.J	300, 600	PG	American-Hawaiian S.S. Co.	Atlantic Com- munication Co.
Iris	NHU	300, 600	PG	Government	U. S. Navy.
Iroquois	KVF			Clyde S. S. Co	
Iroquois	WBG			Puget Sound Nav. Co	
Iroquois	NHV	300, 600	PG	Government	U. S. Navy.
Isla de Luzon	NQJ	300, 600		do	
Isthmian	WKI	300, 600	PG	American-Hawaiian S. S. Co.	Atlantic Com- munication Co.
Itasca	NRI	300, 600	PG	Government	U. S. R. C. S.
J. A. Chanslor	WTK			Associated Oil Co	
James Duane	KIJ		• • • • •	New York City	N. Y. City Fire Dept.
Jamestown	KOC	300, 600	PG	Old Dominion S. S. Co	Marconi Co.
Jarvis	NIB	300, 600	PG	Government	U. S. Navy.
Jason	NNB	300, 600	PG	do	U. S. Navy.
J. B. Stetson	WRC	300, 600	PG	Hicks-Hauptman Nav. Co.	Marconi Co.
Jefferson	KOD	300, 600	PG	Old Dominion S. S. Co	Marconi Co.
Jefferson	WAJ	300, 600	PG	Alaska S. S. Co	Marconi Co.
Jenkins	NID	300, 600	PG	Government	U. S. Navy.
J. M. Guffey	KTF	300, 600	PG	Gulf Refining Co	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

			·		
Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
John A. Hooper	WSJ	300, 600	PG	Sudden & Christenson (Inc.).	Marconi Co.
John D. Archbold.	KTK	300, 600	 	Standard Oil Co	Marconi Co.
Joseph Henry	WXT	600	0	Government	U. S. Army.
Joseph Pulitzer	WPZ			Port of Portland	
Jouett	NIE	300, 600	PG	Government	U. S. Navy.
Juniata	KQJ	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Juniata	WCB	300,600	PG	Erie & Western Transp. Co. (Anchor Line).	Marconi Co.
Jupiter	NNC	300, 600	PG	Government	U. S. Navy.
Justin	NNJ	300, 600	PG	do	U. S. Navy.
K -1	NYF	300, 600	PG	do	U. S. Navy.
K -2	NYG	300, 600	PG	do	U. S. Navy.
K-3	NYH	300, 600	PG	do	U. S. Navy.
K-4	NYI	300, 600	PG	do	U. S. Navy.
K -5	NYJ	300, 600	PG	do	U. S. Navy.
K -6	NYK	300, 600	PG	do	U. S. Navy.
K-7	NYL	300,600	PG	do	U. S. Navy.
K-8	NYM	300, 600	PG	do	U. S. Navy.
Kansan	WKK			American-Hawaiian S. S. Co.	
Kansas	NIO	300, 600	PG	Government	U. S. Navy.
Kansas City	wws		ļ	San Francisco & Port- land S. S. Co.	
Karina	KYR			Theodore P. Burgess	
Kearsarge	NIP	300, 600	PG	Government	U. S. Navy.
Kentuckian	WKE	300,600	PG	American-HawaiianS.S.	
Kentucky	NIQ	300, 600	PG	Government	U. S. Navy.
Kershaw	KQK	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Kilpatrick	WXD	600	PG	Government	U. S. Army.
Kingfisher	WPK	l	J	New England Fish Co	

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Kismet	KYK			Bob Myers Babcock	
Klamath	wsx	300, 600	PG	Klamath S. S. Co	Marconi Co.
Korea	wwĸ	300, 600	PG	Pacific Mail S. S. Co	Marconi Co.
Kroonland	квн			International Mercan- tile Marine Co. (Red Star Line).	Marconi Co.
Kukui	NLF	300,600	0	Government	U. S. Dept. of Commerce.
Kvichak	WNS		 .	Alaska Packers' Assn	
Lakeland	WDL	300,600	PG	Port Huron & Duluth S. S. Co.	Marconi Co.
Lakeport	WDJ		 	do	Marconi Co.
Lakewood	WDK			do	Marconi Co.
Lampasas	KEP	300, 600	PG	Mallory S. S. Co	Marconi Co.
Lamson	NIW	300, 600	PG	Government	U. S. Navy.
Lansing	WTC	300,600	PG	Union S. S. Co. (Union Oil Co.).	Marconi Co.
Larimer	KTA	300,600	PG	Gulf Refining Co	Marconi Co.
Latouche	WAI		 	Alaska S. S. Co	Marconi Co.
Lawrence	NIY	300, 600	PG	Government	U. S. Navy
Lebanon	NIZ	300, 600	PG	do	U. S. Navy.
Leelanaw	WNI			Leelenaw S. S. Co. (California & Atlantic S. S. Co.).	Marconi Co.
Lenape	KVL	300,600	PG	Clyde S. S. Co	Marconi Co.
Leonidas	NNH	300, 600	PG	Government	U. S. Navy.
Lewis Luckenbach	WNH			Edgar F. Luckenbach (California & Atlantic S. S. Co.).	
Lexington	KNB	300, 450, 500, 550, 600.	PG	Colonial Nav. Co	Nat. Elec. Sig- naling Co.
Lexington	KQL	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Ligonier	KTD			Gulf Refining Co	
Liscum	WXE	600	PG	Government	U. S. Army.
Logan	WXF	600	PG	do	U. S. Army.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Louise	KRL			Tolchester Beach Improvement Co.	
Louisiana	NJB	300, 600	PG	Government	U. S. Navy.
Lucy Neff	KNQ			C. L. Dimon	
Lundin power life- boat.	KVX			Welin Marine Equip- ment Co.	
Lurline	WML	300, 600	PG	Matson Nav. Co	Marconi Co.
Lydonia	WDY			W. A. Lydon	
Lyra	WNF	300, 600	PG	Edgar F. Luckenbach (Luckenbach S. S. Co.).	Marconi Co.
Lysistrata	KYL			James G. Bennett	
Macdonough	NJH	300, 600	PG	Government	U.S. Navy.
Machias	NQL	300, 600	PG	do	U. S. Navy.
Mackinaw	WHW			Mackinaw Co	Marconi Co.
Madison	KOG	300, 600	PG	Old Dominion S. S. Co	Marconi Co.
Maine	KME			Charles Clark & Co	Marconi Co.
Maine	KXD	300, 450, 500, 550, 600	PG	New England S. S. Co	Nat. Elec. Sig- naling Co.
Maine	NJL	300, 600	PG	Government	U. S. Navy.
Major Evan Thomas.	WYO	300	0	do	U. S. Army.
Major Samuel Ringgold.	WYC	300	0	do	U. S. Army.
Manchuria	WWE	300, 600	PG	Pacific Mail S. S. Co	Marconi Co.
Manitou	WFW	300, 600	PG	Northern Michigan Transp. Co.	Marconi Co.
Manning	NRN	300, 600	PG	Government	U. S. R. C. S.
Manoa	WMQ	300, 600	PG	Matson Nav. Co	Marconi Co.
Maracaibo	KDM	300, 600	PG	Atlantic & Caribbean Steam Nav. Co. (Red D Line).	Marconi Co.
Marietta	NJQ	300, 600	PG	Government	U. S. Navy.
Mariposa	WHP		ļ	Alaska S. S. Co	Marconi Co.
Marquette & Bessemer No. 1.	WEW	300, 600	PG	Marquette & Bessemer Dock & Nav. Co.	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Marquette & Bessemer No. 2.	WEX	300, 600	PG	Marquette & Bessemer Dock & Nav. Co.	Marconi Co.
Mars	NJR	300, 600	PG	Government	U.S. Navy.
Marblehead	NGK	300, 600	ļ	do	
Maryland	NJS	300, 600	PG	do	U.S. Navy.
Mascotte	KOW.			Peninsular & Occidental S. S. Co.	
Massachusetts	KJM	300, 600	PG	Eastern S. S. Corp	
Massachusetts	NJT	300, 600	PG	Government	U.S. Navy.
Matsonia	WMP	300, 600	PG	Matson Nav. Co	Marconi Co.
Maverick	WTW			Standard Oil Co	
Mayflower	NJV	300, 600	PG	Government	U. S. Navy.
Mayrant	NJU	300, 600	PG	do	U.S. Navy.
McCall	NJW	300, 600	PG	do	U. S. Navy.
McClellan	WXH	600	PG	do	U.S. Army.
McCulloch:	NRH	300, 600	PG	do	U. S. R. C. S.
McDougal	NIT	300, 600	PG	do	U.S. Navy.
Meade	WXG	600	PG	do	U. S. Army.
Merrimack	KQM	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Merritt	WXI	600	PG	Government	U. S. Army.
Mexican	WKL	300, 600	PG	American-Hawaiian S. S. Co.	Atlantic Com- municatio n Co.
Mexico	KWX	300, 600	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Miami	KOZ			Peninsular & Occidental S. S. Co.	
Miami	NRQ	300, <i>600</i> , 750	PG	Government	U. S. R. C. S.
Michigan	NJZ	300, 600	PG	do	U. S. Navy.
Millinocket	KNM	3 00 , <i>600</i>	PG	A. H. Bull S. S. Co	Marconi Co.
Mills	KRR			Ogden Mills	
Milwaukee	NFB	300, 600	PG	Government	U. S. Navy.
Minneapolis	NGB	300, 600	PG	dodo	U. S. Navy.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Minnesota	WEK	300, 600	PG	Crosby Transp. Co	Marconi Co.
Minnesota	WMI		 	Great Northern S. S. Co.	Marconi Co.
Minnesota	NKD	300, 600	PG	Government	U. S. Navy.
Minnesotan	WKM	300, 600	PG	American-Hawaiian S. S. Co.	Marconi Co.
Missouri	WFX	300, 600	PG	Northern Michigan Transp. Co.	Marconi Co.
Missouri	NKF	300, 600	PG	Government	U. S. Navy.
Missourian	WKX	300, 600	PG	American-Hawaiian S.S. Co.	
Mohawk	KVM	300, 600	PG	Clyde S. S. Co	Marconi Co.
Mohawk	KXE	300, 450, 500, 550, 600	PG	New England S. S. Co	Nat. Elec. Sig- naling Co.
Mohawk	KYU	300	P	Ralph E. Barry	Owner of vessel.
Mohawk	NVM	300, 600	PG	Government	U. S. R. C. S.
Mohegan	KXM	300, 450, 500, 550, 600.	PG	New England S. S. Co	Nat. Elec. Sig- naling Co.
Momus	KKM	300, 600	PG	Southern Pacific Co	Marconi Co.
Monadnock	NHD	300, 600	PG	Government	U. S. Navy.
Monaghan	NKL	300, 600	PG	do	U. S. Navy.
Mongolia	wwn	300, 600	PG	Pacific Mail S. S. Co	Marconi Co.
Monocacy	NQQ	300, 600	PG	Government	U. S. Navy.
Montana	NKM	300, 600	PG	do	U. S. Navy.
Montanan	WKN			American-Hawaiian S.S. Co.	•
Montauk	KNT		 	Montauk Steamboat Co.	
Monterey	KWY	300, 600	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Monterey	NKN	300, 600	PG	Government	U. S. Navy.
Montgomery	NKO	300, 600	PG	do	U. S. Navy.
Morrill	NRC	300	PG	do	U. S. R. C. S.
Morro Castle	KWC	300, 600	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Multnomah	WMA			Multnomah S. S. Co	
Nacoochee	KFP	300, 600	PG	Ocean S. S. Co. (Savan- nah Line).	Marconi Co.
Nann Smith	WBO	300, 600	PG	Inter-Ocean Transp.Co.	Marconi Co.
Nanshan	NNK	300, 600	PG	Government	U. S. Navy.
Nantucket	KQN	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Nashville	NKY	300, 600	PG	Government	U. S. Navy.
Navajo	WNJ		• • • • •	Western Steam Nav.Co. (California & Atlantic S. S. Co.).	
Navajo	NKZ	300 , <i>600</i>	PG	Government	U.S. Navy.
Navesink	WXU	400–800 (<i>600</i>)	0	do	U.S. Army.
Nebraska	NMA	300, 600	PG	do	U. S. Navy.
Nebraskan	WKY	300, 600	PG	American-Hawaiian S.S. Co.	Atlantic Com- munication Co.
Nelson	KNL	300, 600	PG	Cuba Distilling Co	Marconi Co.
Neptune	NMS	300, 600	PG	Government	U. S. Navy.
Nereus	NNF	300, 600	PG	do	U. S. Navy.
Nero	NMB	300, 600	PG	do	U. S. Navy.
Nevadan	WKZ	300, 600	PG	American-Hawaiian S.S. Co.	Atlantic Com- munication Co.
New Hampshire	KXF	300, 450, 500, 550, 600	PG	New England S. S. Co	Nat. Elec. Sig- naling Co.
New Hampshire	NME	300, 600	PG	Government	U. S. Navy.
New Haven	KXN	300, 450, 500, 550, 600.	PG	New England S. S. Co	Nat. Elec. Sig- naling Co.
New Jersey	KNJ			United N. Y. & Sandy Hook Pilots' Assn.	
New Jersey	NMF	300, 600	PG	Government	U. S. Navy.
New Orleans	NMG	300, 600	PG	do	U. S. Navy.
Newport	NMH	300, 600	PG	do	U.S. Navy.
Newport	WWH	300, 600	PG	Pacific Mail S. S. Co	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

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Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
New York	KNK			United N. Y. & Sandy Hook Pilots' Assn.	
New York	KSN			International Mercantile Marine Co. (American Line).	
New York	NCC	300, 600	PG	Government	U. S. Navy.
Niagara	KYN			Howard Gould	
Nicholson	NIU	300, 600	PG	Government	U. S. Navy.
Noma	KYO		ļ	Vincent Astor	,
Nome City	WRN	300, 600	PG	Charles Nelson Co	Marconi Co.
North American	WEN	300, 600	PG	Chicago, Duluth & Georgian Bay S. S. Co.	Marconi Co.
North Carolina	NMN	300, 600	PG	Government	U. S. Navy.
North Dakota	NMO	300, 600	PG	do	U. S. Navy.
Northland	WNX			E. J. Dodge Co	
North Land	WCN	300, 600	PG	Northern S. S. Co	Marconi Co.
North Land	KJD	300, 600	PG	Eastern S. S. Corp	Marconi Co.
North Star	KJS	300, 600	PG	do	Marconi Co.
North Star	KYZ		.	Cornelius Vanderbilt	
North Star	WHR			Alaska Fishermen's Packing Co.	Marconi Co.
Northwestern	WAN	300, 600	PG	Alaska S. S. Co	Marconi Co.
North Wind	KYB	300	P	Charles Martin Clark	Owner of ves- sel.
Norwood	WSG	300, 600	PG	Sudden & Christenson (Inc.).	Marconi Co.
Nueces	KEH	300, 600	PG	Mallory S. S. Co	Marconi Co.
Nushagak	WNE			Alaska Packers' Assn	
Nyack	WEJ			Crosby Transp. Co	
O'Brien	NIV	300, 600	PG	Government	U. S. Navy.
Octorara	WCD	300, 600	PG	Erie & Western Transp. Co. (Anchor Line).	Marconi Co.
Ohio	NMW	300, 600	PG	Government	U. S. Navy.
Ohioan	WKQ	300, 600	PG	American-Hawaiian S.S. Co.	

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Old Colony	KJO			Eastern S. S. Corp	
Oleum	WTD			Fillmore Condit (Union Oil Co.).	
Oliver J. Olson	WNB	300, 600	PG	Steamer California Co	Marconi Co.
Olivette	KOV	300, 600	PG	Peninsular & Occidental S. S. Co.	Marconi Co.
Oneida	KYP	300, 550, 600	P	E. C. Benedict	Owner of ves- sel.
Oneonta	WPX			Port of Portland	
Onondaga	NRO	300, <i>600</i> , 750	PG	Government	U. S. R. C. S.
Ontario	KQO	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Ontario	NTA	300, 600	PG	Government	U. S. Navy.
Oregon	NMZ	300, 600	PG	do	U. S. Navy.
Oregonian	WKO	300, 600	PG	American-Hawaiian S.S.	
Orion	NOC	300, 600	PG	Government	U. S. Navy.
Osceola	NOA	300, 600	PG	do	U. S. Navy.
Ossabaw	KEO			Atlantic, Gulf & West Indies S. S. Lines.	
Ozark	NHH	300, 600	PG	Government	U. S. Navy.
Paducah	NOG	300, 600	PG	do	U. S. Navy.
Palos	NQS	300, 600	PG	do	U. S. Navy.
Pamlico	NRR	300	PG	do	U. S. R. C. S.
Pampanga	NQT	300, 600	PG	do	U. S. Navy.
Panama	кмн	300, 600	PG	Panama R. R. Co	Atlantic Com- munication Co.
Panaman	WKR	300, 600	PG	American-Hawaiian S.S.	-
Pan American	KUT		ļ	Texas S. S. Co	
Panther	NOJ	300, 600	PG	Government	U. S. Navy.
Paraguay	KTT			Sun Co	Marconi Co.
Paraiso	WRI	300, 600	PG	Craig Shipbuilding Co	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Parker	NIX	300, 600	PG	Government	U. S. Navy.
Parthian	KQP	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Patapsco	NOL	600	PG	Government	U. S. Navy.
Pathfinder	NLJ			do	U. S. Dept. of Commerce.
Patterson	NLH	300, 600	o	do	U. S. Dept. of Commerce.
Patterson	NOK	300, 600	PG	do	U. S. Navy.
Patuxent	NOM	300, 600.	PG	do	U. S. Navy.
Paulding	NON	300, 600	PG	do	U. S. Navy.
Paul Jones	NOP	300, 600	PG	do	U. S. Navy.
Pennsylvania	wwi	300, 600	PG	Pacific Mail S. S. Co	Marconi Co.
Pennsylvanian	WKP	300,600	PG	American-Hawaiian S.S.	
Peoria	NOW	300, 600	PG	Government	U. S. Navy.
Pequonnock	KXP	300, 450, 500, 550, 600.	PG	New England S. S. Co	Nat. Elec. Sig- naling Co.
Pere Marquette	WDA	300, 600	PG	Pere Marquette R. R. Co	Marconi Co.
Pere Marquette 17	WDC	300, 600	PG	do	Marconi Co.
Pere Marquette 18	WDD	300, 600	PG	do	Marconi Co.
Pere Marquette 19	WDB	300, 345, 600.	PG	do	Marconi Co.
Pere Marquette 20	WDE	300, 375, 600.	PG	do	Marconi Co.
Perfection	KTN			Standard Oil Co	
Perkins	NOX	300, 600	PG	Government	U. S. Navy.
Perry	NOY	300, 600	PG	do	U. S. Navy.
Persian	KQX	300,600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Peru	WWJ	300, 600	PG	Pacific Mail S. S. Co	Marconi Co.
Petrel	NOZ	300, 600	PG	Government	U. S. Navy.
Philadelphia	KDA	300, 600	PG	Atlantic & Caribbean Steam Nav. Co. (Red D Line).	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv-	Owner of vessel (line).	Station controlled by—
Philadelphia	KSM	300, 600	PG	International Mercantile Marine Co. (American Line).	Marconi Co.
Pilgrim	KXG	300, 450, 500,550. 600.	PG	New England S. S. Co	Nat. Elec. Sig- naling Co.
Pilot Boy	KPL	300, 600	ļ	Texas & Gulf S. S. Co	Marconi Co.
Pioneer	WPN		ļ	Puget Sound Tug Boat Co.	
Pittsburgh	NOT	300, 600	PG	Government	U. S. Navy.
Pleiades	WNP	300, 600	PG	Edgar F. Luckenbach	Marconi Co.
Plymouth	кхн	300, 450, 500, 550, 600.	PG	New England S. S. Co	Nat. Elec. Sig. naling Co.
Pompey	NQF	300, 600	PG	Government	U. S. Navy.
Ponce	KGP	300, 600	PG	New York & Porto Rico S. S. Co.	Marconi Co.
Portland	WNV	300, 600	PG	Nyno Line	Marconi Co.
Potomac	NQK	300, 600	PG	Government	U. S. Navy.
Powhatan	KQY	300,600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Prairie	NQM	300, 600	PG	Government	U. S. Navy.
Preble	NQN	300, 600	PG	do	U. S. Navy.
President	WGP	300, 600	PG	Pacific Coast Co	Marconi Co.
Preston	NQO	300, 600	PG	Government	U. S. Navy.
Princess Anne	KOB	300, 600	PG	Old Dominion S. S. Co	Marconi Co.
Princeton	NQP	300, 600	PG	Government	U. S. Navy.
Priscilla	KXI	300, 450, 500, 550, 600.	PG	New England S. S. Co	Nat.Elec. Sig- naling Co.
Prometheus	NQR	300, 600	PG	Government	U. S. Navy.
Proteus	KKP	300, 600	PG	Southern Pacific Co	Marconi Co.
Proteus	NNG	300, 600	PG	Government	U.S. Navy.
Providence	KXJ	300, 450 500, 550	PG	New England S. S. Co	Nat. Elec.Sig- naling Co.
P. R. R. Barge 707.	KPR	600		Pennsylvania R. R. Co	

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call	Wave	Serv-	Owner of record (line)	Station controlled
V essei.	signal.	lengths.	ice.	Owner of vessel (line).	by—
Puritan	WDU	300, 600	PG	Graham & Morton Transp. Co.	Marconi Co.
Puritan	KXK	300, 450 500, 550 600	PG	New England S. S. Co	Nat. Elec.Sig- naling Co.
Quantico	KQQ	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Queen	WGX	300, 600	PG	Pacific Coast S. S. Co	Marconi Co.
Radiant	KTR	300, 600	PG	Standard Oil Co	Marconi. Co
Rainbow	NŢD	300, 600	PG	Government	U. S. Navy.
Raleigh	NTE	300, 600	PG	do	U. S. Navy.
Ranger	NFU	300, 600	PG	do	U.S. Navy.
Ransom B. Fuller.	KRF	300, 600	PG	Eastern S. S. Corp	Marconi Co.
Rayo	KTL		 	Standard Oil Co	
Redondo	WBM	300, 600	PG	Inter-Ocean Transp. Co.	Marconi Co.
Reid	NTU	300, 600	PG	Government	U. S. Navy.
Relay	KVZ	300, 600	PR	Mexican Telegraph Co	Owner of ves-
Relief	KRJ		ļ	Merritt & Chapman Derrick & Wrecking Co.	sel.
Relief Lightship 66 or 85.	NLD	300, 600	0	Government	U. S. Navy.
Relief Lightship 71 or 72.	NLE	300, 600	0	do	U. S. Navy.
Relief Lightship 94 or 53.	NLG	300, 600	0	do	U. S. Navy.
Reno	WYN	300	0	do	U.S. Army.
Rescue	KRP		ļ	Merritt & Chapman Derrick & Wrecking Co.	
Reuce	WSR			Columbia River Packers' Assn.	
Rhode Island	NTX	300, 600	PG	Government	U.S. Navy.
Richard Peck	KXR	300, 450, 500, 550, 600	PG	New England S. S. Co	Nat. Elec.Sig- naling Co.
Richmond	WTR	300, 600	PG	Standard Oil Co	Marconi Co.
Rio Grande	KEG	300, 600	PG	Mallory S. S. Co	Marconi Co.
Riverside	WRM		l .	Charles Nelson Co	

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

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Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Roanoke	WRR	300, 600	PG	North Pacific S. S. Co	Marconi Co.
Rochelle	WNR			Pacific S. S. Co	
Roe	NTZ	300, 600	PG	Government	U. S. Navy.
Roma	WTE			Union S. S. Co. (Union Oil Co.)	
Rose City	wwr	300, 600	PG	San Francisco & Port- land S. S. Co.	Marconi Co.
Sabine	KEB	300, 600	PG	Mallory S. S. Co	Marconi Co.
Sacramento	NQV	300, 600	PG	Government	U. S. Navy.
Salem	NTP	300, 600	PG	Government	U. S. Navy.
Samson	wos			Columbia Construction Co.	Marconi Co.
San Francisco	NTQ	300, 600	PG	Government	U. S. Navy.
San Jacinto	KES	300, 600	PG	Mallory S. S. Co	Marconi Co.
San Jose	WWL	300, 600	PG	Pacific Mail S. S. Co	Marconi Co.
San Juan	KGJ	300, 600	PG	New York & Porto Rico S. S. Co.	Marconi Co.
San Juan	WWM	300, 600	PG	Pacific Mail S. S. Co	Marconi Co.
San Marcos	KEK	300, 600	PG	Mallory S. S. Co	Marconi Co.
San Ramon	WNW	300, 600	PG	E. J. Dodge Co	Marconi Co.
Santa Ana	WAL			Alaska S. S. Co	
Santa Catalina	WBC			Atlantic & Pacific S. S. Co. (Grace Line).	Marconi Co.
Santa Cecilia	WBB			do	Marconi Co.
Santa Clara	WBA	300, 600	PG	do	Marconi Co.
Santa Clara	WRS	300, 600	PG	North Pacific S. S. Co	Marconi Co.
Santa Cruz	WPA			Puget Sound Salvage Co.	
Santa Cruz	WBD			Atlantic & Pacific S. S. Co. (Grace Line).	
Santa Maria	WTF	300, 600	PG	United S. S. Co. (Union Oil Co.).	Marconi Co.
Santa Rita	WTG			do	
Santa Rosa	WGN			Pacific Coast Co	
Saratoga	kws	300, 600	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co,

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Saratoga	NTR	300, 600	PG	Government	U. S. Navy.
Satellite	KPS	300, 600		Alfred S. Sorensen & Sons.	
Satilla	KEN			Atlantic, Gulf & West Indies S. S. Lines.	
Saturn	NNM	300, 600	PG	Government	U. S. Navy.
Savage	KRS	 		Consolidation Coal Co	
Sayonara	KYJ			A. J. Drexel	Owner of vessel.
Scorpion	NTT	300, 600	PG	Government	U. S. Navy.
Sea Otter	KYS			Hugh L. Willoughby	
Seeandbee	WFS	300, 600	PG	Cleveland & Buffalo Transit Co.	Marconi Co.
Seguranca	KWG	300, 600	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Seminole	KVJ	300, 600	PG	Clyde S. S. Co	Marconi Co.
Seminole	NRS	300, 600	·PG	Government	U. S. R. C. S.
Senator	wgs			Pacific Coast Co	Marconi Co.
Senator Bailey	KGS	300, 600	PG	Steele Towing & Wreck- ing Co.	Marconi Co.
Seneca	NRE	300, <i>600</i> , 750	PG	Government	U.S. R. C. S.
Seward	WAV			Alaska S. S. Co	
Sheboygan	WFL			Goodrich Transit Co	Marconi Co.
Shenango	KTC	300, 600	PG	Gulf Refining Co	Marconi Co.
Shenango	WET	300, 600	PG	Shenango S. S. Co	Marconi Co.
Sheridan	WXJ	600	PG	Government	U. S. Army.
Sherman	WXK	600	PG	do	U. S. Army.
Shinnecock	KNS			Montauk S. S. Co	
Sialia	WFY			J. K. Stewart	
Siberia	wwu	300, 600	PG	Pacific Mail S. S. Co	Marconi Co.
Sierra	WHJ	300, 600	PG	Oceanic S. S. Co	Marconi Co.
Smith	NSQ	300, 600	PG	Government	U. S. Navy.

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SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Snohomish	NRF	300	PG	Government	U. S. R. C. S.
Socony	KTX			Standard Oil Co	
Solace	NST	300, 600	PG	Government	U. S. Navy.
Somerset	KQS	300, 600	PG	State Street Trust Co. (Merchants & Miners Transp. Co.).	Marconi Co.
Sonoma	WHM	300, 600	PG	Oceanic S. S. Co	Marconi Co.
Sonoma	NTG	300, 600	PG	Government	U. S. Navy.
Sotoyomo	NUX	300, 600	PG	do	U. S. Navy.
South American	WEO	300, 600	PG	Chicago, Duluth & Geor- gian Bay S. S. Co.	Marconi Co.
South American	KVW	300,600	PG	The Texas Co	Marconi Co.
South Carolina	NSW	300, 600	PG	Government	U. S. Navy.
South Dakota	NSX	300, 600	PG	do	U. S. Navy.
Speedwell	wqs	300, 600	PG	A. F. Estabrook (Sou. Oreg. Transp. Co.).	Marconi Co.
Spokane	WGE			Pacific Coast Co	Marconi Co.
S. O. Co. No. 91	WTU			Standard Oil Co	
S. O. Co. No. 92	КТҮ			do	
S. O. Co. No. 93	WTY			do	
S. O. Co. No. 94	KTP			do	
S. O. Co. No. 95	WTZ		ļ	do	
St. Frances	WHH	 	ļ	Libby, McNeill & Libby	
St. Helens	WNY			E. J. Dodge Co	Marconi Co.
St. Louis	KSL			International Mercantile Marine Co. (American Line).	
St. Louis	NTF	300, 600	PG	Government	U. S. Navy.
St. Nicholas	wss			Columbia River Pack- ers' Assn.	
St. Paul	KSO			International Mercantile Marine Co. (American Line).	
Stanley Dollar	WSD			Dollar S. S. Line	
Starr	WPS	ļ		San Juan Fishing & Packing Co.	

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
State of Ohio	WFR	300, 600	PG	Cleveland & Buffalo Transp. Co.	Marconi Co.
Sterrett	NTB	300, 600	PG	Government	U. S. Navy.
Stewart	NTC	300, 600	PG	do	U. S. Navy.
Stranger	NSR	300, 600		do	
Sumner	WXL	600	PG	do	U. S. Army.
Sun	KTU	300, 600	PG	Sun Co	Marconi Co.
Supply	NTK	300, 600	PG	Government	U. S. Navy.
Suwannee	KQZ	300, <i>600</i>	PG	State Street Trust Co. (Merchants & Miners Transp. Co.).	Marconi Co.
Sylph	NTL	300, 600	PG	Government	U. S. Navy.
Tacoma	NUA	300, 600	PG	do	U. S. Navy.
Tahoma	NRK	300, 600	PG	do	U. S. R. C. S.
Tallahassee	NUC	300, 600	PG	do	U. S. Navy.
Tarragon	NZZ	200, 300, 450, <i>600</i> .	0	do	U. S. Dept. of Commerce.
Tasco	KFT	300, 400, 480, 600.	P	T. A. Scott Co. (Inc.)	Owner of vessel.
Tatoosh	WPE		ļ	Puget Sound Tug Boat Co.	
Tennessee	NUG	300, 600	PG	Government	U. S. Navy.
Terry	NUI	300, 600	PG	do	U. S. Navy.
Texan	WKT	300, 600	PG	American-Hawaiian S.S.	
Texas	NCD	300, 600	PG	Government	U. S. Navy.
The Harvester	WCR	300, 600		Wisconsin Steel Co	Marconi Co.
Theodore Roosevelt.	WCT	300, 600	PG	Indiana Transp. Co	Marconi.
Thetis	NRT	300, 600	PG	Government	U. S. R. C. S.
Thomas	WXM	600	PG	do	U. S. Army.
Tionesta	WCA	300, 600	PG	Erie & Western Transp. Co. (Anchor Line).	Marconi Co.
Toledo	KTV			Sun Co	
Tonopah	NUN	300,600	PG	Government	U. S. Navy.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Topila	KKE	300, 600	PG	Southern Pacific Co	Marconi Co.
Trippe	NUQ	300, 600	PG	Government	U. S. Navy.
Truxton	NUS	300, 600	PG	do	U. S. Navy.
Tuscan	кот	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Tuscarora	NRL	300, 600	PG	Government	U. S. R. C. S.
Tyee	WPC			Puget Sound Tug Boat Co.	
Tyee Junior	WPB	 	 	Tyee Co	
Umatilla	WGU	300, 600	PG	Pacific Coast Co	Marconi Co.
Unalga	NRX	300, <i>600</i> , 800.	PG	Government	U. S. R. C. S.
Uncas	NVF	300 , <i>600</i>	PG	do	U.S. Navy.
United States	WIT			Indiana Transp. Co	
Utah	NVE	300, 600	PG	Government	U. S. Navy.
Vanadis	КҮТ			C. K. G. Billings	
Venetia	wov			J. D. Spreckels	
Ventura	WHL	300, 600	PG	Oceanic S. S. Co	Marconi Co.
Vermont	NVK	300, 600	PG	Government	U. S. Navy.
Vesta	KTS			Standard Oil Co	
Vestal	NMC	300, 600	PG	Government	U. S. Navy.
Vesuvius	NVM	300, 600	PG	do	U.S. Navy.
Vicksburg	NVN	300, 600	PG	do	U. S. Navy.
Victoria	WAD			Alaska S. S. Co	Marconi Co.
Vigilancia	KWV	300, 600	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Villalobos	NVP	300, 600	PG	Government	U. S. Navy.
Virginia	KSZ	300, 600	PG	Baltimore Steam Packet Co.	Marconi Co.
Virginia	WFH	300, 600	PG	Goodrich Transit Co	Marconi Co.
Virginia	NVR	300,600	PG	Government	U. S. Navy.
Virginian	wĸv	300, 600	PG	American-Hawaiian S. S. Co.	Atlantic Com- munication Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Vixen	NSU	300,600		Government	
Vulcan	NVT	300, 600	PG	do	U. S. Navy.
Wakiva	WLA			E. L. Doheny	
Wakiva	KYI			Lamon V. Harkness	
Walke	NWL	300, 600	PG	Government	U. S. Navy.
Wallula	WPY			Port of Portland	
Wana	KYX	300, 600	P	George C. Sherman	Marconi Co.
Warren	WXN	600	PG	Government	U. S. Army.
Warrington	NWD	300, 600	PG	do	U. S. Navy.
Warrior	KYW		 	F. W. Vanderbilt	
Washington	NWE	300, 600	PG	Government	U. S. Navy.
Washingtonian	WKW	300, 600	PG	American-Hawaiian S.S.	
Washtenaw	WTH	300, 600	PG	Union S. S. Co. (Union Oil Co.).	Marconi Co.
Wasp	nsv	300, 600	PG	Government	U. S. Navy.
W. B. Flint	WHG		 	Libby, McNeill & Libby.	
W. B. Keene	KWK	300, 600		Hilton Dodge Transp.	Marconi Co.
West Virginia	NWG	300,600	PG	Government	U. S. Navy.
Western States	WED	300, 600	PG	Detroit & Cleveland Nav. Co.	Marconi Co.
Wheeling	NWH	300,600	PG	Government	U. S. Navy.
Whipple	NWI ·	300, 600	PG	do	U. S. Navy.
Whittier	WHT	300, 600	PG	Max Dyer (Union Oil Co.).	Marconi Co.
Wild Duck	KYG			Paul E. De Fere	Marconi Co.
Wilhelmina	wmo	300, 600	PG	Matson Nav. Co	Marconi Co.
Willamette	wsw			Willamette S. S. Co	
William Chatham.	WMC.	300, 600	PG	William Chatham Co. (Inc.).	Marconi Co.
Wm. F. Herrin	WTN	300, 600	PG	Associated Oil Co	Marconi Co.
William P. Snyder	WER	300, 600	PG	Shenango S. S. Co	Marconi Co.
William P.Snyder, Jr.	WES	300, 600	PG	do	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Wilmington	NWK	300,600	PG	Government	U. S. Navy.
Wilpen	WEU			Shenango S. S. Co	
Windber	WND		••••	Pacific-American Fisheries.	·
Windom	NRW	300, 600	PG	Government	U. S. R. C. S.
Winifred	KTE	300, 600	PG	Gulf Refining Co	Marconi Co.
Winona	NRV	300, 600	PG	Government	U. S. R. C. S.
Winslow	NJA	300, 600	PG	do	U. S. Navy.
Wisconsin	NWM	300, 600	PG	do	U. S. Navy.
Woodbury	NRJ	300, 600	PG	do	U. S. R. C. S.
Worden	NWP	300, 600	PG	do	U. S. Navy.
W. S. Porter	WTM			Associated Oil Co	
Wyandotte	KNW		 	Montauk S. S. Co	
Wyoming	NWQ	600	PG	Government	U. S. Navy.
Yaguez	KDY	300, 600	PG	Ocean Freight Line (Inc.).	Marconi Co.
Yale	WRY	300, 600	PG	Metropolitan S. S. Co. (Pacific Steam Nav. Co.).	
Yamacraw	NRY	300, 600	PG	Government	U. S. R. C. S.
Yankton	NSK	300, 600	PG	do	U. S. Navy.
Yorktown	NQX	300,600	PG	Government	U. S. Navy.
Yosemite	WQY	300, 600	PG	Yosemite S. S. Co	Marconi Co.
Yucatan	WMY	300, 600	PG	North Pacific S. S. Co	Marconi Co.
Zapora	WPQ			International Fisheries Co.	
Zealandia	KNR			C. L. Dimon	
Zulia	KDZ	300, 600	PG	Atlantic & Caribbean Steam Nav. Co. (Red D Line).	Marconi Co.

[This list includes all call signals which have been assigned to United States radio stations, except amateur and certain "special" stations. b=ship station; c=land station.]

Call signal.	Station.	Call signal.	Station.
KDA KDB KDC	Philadelphia b Caracas b Douglas, Ariz c	KEL KEM KEN KEO KEP	Comal b Satilla b Ossabaw b Lampasas b
KDE		KEQ	
KDF		KER	
KDG		KES KET	San Jacinto
KDH		KEU	
KDI		KEV	
KDJ		KEW KEX	Los Angeles, Calc
KDK KDL KDM KDN	Maracaibob San Luis Obispo, Calc	KEY KEZ KFA KFB KFC	Brazos
KDO		KFD	City of Memphisb
KDP		KFE KFF	Friedab
KDQ KDR		KFG KFH KFI	Herman Frasch b I. D. Fletcher b
KDS KDT	• • • • • • • • • • • • • • • • • • • •	KFJ KFK	City of Augustab City of Savannahb
KDU KDV KDW	Juneau, Alaskac Graysonb Borinquenb	KFL	
KDX KDY	Bayamon b Yaguez b	KFM.	
KDZ KEA	Zuliab Coloradob	KFN	
KEB	Sabineb	KFO KFP	Nacoocheeb
KEC KED	Conchob Denverb	KFQ	
KEE			
KEF KEG KEH	Rio Grande b Nueces b	KFR KFS KFT	San Francisco, Calc Tascob
KEI KEJ KEK	Alamob San Marcosb	KFU	

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Wilmington	NWK	300, 600	PG	Government	U. S. Navy.
Wilpen	WEU			Shenango S. S. Co	
Windber	WND			Pacific-American Fisheries.	,
Windom	NRW	300, 600	PG	Government	U. S. R. C. S.
Winifred	KTE	300, 600	PG	Gulf Refining Co	Marconi Co.
Winona	NRV	300, 600	PG	Government	U. S. R. C. S.
Winslow	NJA	300, 600	PG	do	U. S. Navy.
Wisconsin	NWM	300, 600	PG	d o	U. S. Navy.
Woodbury	NRJ	300, 600	PG	do	U. S. R. C. S.
Worden	NWP	300, 600	PG	do	U. S. Navy.
W. S. Porter	WTM			Associated Oil Co	
Wyandotte	KNW			Montauk S. S. Co	
Wyoming	NWQ	600	PG	Government	U. S. Navy.
Yaguez	KDY	300, 600	PG	Ocean Freight Line (Inc.).	Marconi Co.
Yale	WRY	300, 600	PG	Metropolitan S. S. Co. (Pacific Steam Nav. Co.).	
Yamacraw	NRY	300, 600	PG	Government	U. S. R. C. S.
Yankton	NSK	300,600	PG	do	U. S. Navy.
Yorktown	NQX	300, 600	PG	Government	U. S. Navy.
Yosemite	WQY	300, 600	PG	Yosemite S. S. Co	Marconi Co.
Yucatan	WMY	300, 600	PG	North Pacific S. S. Co	Marconi Co.
Zapora	WPQ			International Fisheries Co.	
Zealandia	KNR		 	C. L. Dimon	
Zulia	KDZ	300, 600	PG	Atlantic & Caribbean Steam Nav. Co. (Red D Line).	Marconi Co.

[This list includes all call signals which have been assigned to United States radio stations, except amateur and certain "special" stations. b=ship station; c=land station.]

	1		T T
Call signal.	Station.	Call signal.	Station.
KDA	Philadelphiab	KEL	
KDB	Caracas b	KEM	Comal
KDC	Douglas, Arizc	KEN	Satillab
		KEO	Ossabawb
KDD		KEP	Lampasasb
KDE		KEQ	
$\mathbf{K}\mathbf{DF}$		KER	
TTD (ł	KES	San Jacintob
KDG		KET	Bolinas, Cal
KDH	••••	KEU	
KDI		KEV	
KDJ	 	KEW	
KDK	` `	KEX	Los Angeles, Calc
MDK		KEY	l
$\mathbf{K}\mathbf{D}\mathbf{L}$		KEZ	Brazosb
KDM	Maracaibob	KFA	City of Columbusb
KDN	San Luis Obispo, Calc	KFB	City of Atlantab
TCDO		KFC	City of Maconb
KDO		KFD	City of Memphisb
KDP		KFE	l
		KFF	Friedab
KDQ		TZTOC	
KDR		KFG KFH	Herman Fraschb
KDI		KFI	I. D. Fletcherb
KDS		KFJ	City of Augustab
KDT		KFK	City of Savannahb
KDU	Juneau, Alaskac		
KDV	Graysonb	KFL	
KDW	Borinquenb	KFM.	
KDX	Bayamonb	LTM.	
KDY	Yaguezb	KFN	l
KDZ	Zuliab		
KEA KEB	Coloradob	KFO	
KEC	Sabine	KFP	Nacoocheeb
KED	Denverb		
		KFQ	
KEE		7777	
KEF		KFR	Con Francisco Col
KEG	Rio Grande b	KFS KFT	San Francisco, Cal
\mathbf{KEH}	Nuecesb	KII	I ascu
KEI		KFU	
KEJ	Alamob		1
KEK	San Marcosb	KFV	l

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
KFW	Gian of St. Touis	кнн	
KFX KFY	City of St. Louisb City of Montgomeryb	KHI KHJ	Koko Head, Hawaiic
KFZ KGA KGB	Coamo b Carolina b	KHK KHL KHM	Kahuku, Hawaii
KGC	COLORIDA	KHN KHO	Kawaihae, Hawaii
KGD		KHP KHQ	Phoenix, Arizc
KGE KGF		KHR	
KGG		KHS KHT	Naknek, Alaskac
KGH KGI	Hollister, Calc	KHU	
KGJ KGK	San Juanb	KHV KHW	
KGL		KHX	Heeia Point, Hawaiic
KGM		KHY KHZ	
KGN		KIA	
KGO KGP	Ponceb	KIB	, , , , , , , , , , , , , , , , , , ,
KGQ KGR		KID	
KGS	Senator Baileyb	KIE	Koko Head, Hawaii
KGT KGU		KIF KIG	
KGV		KIH	
KGW		KII	
KGX KGY		KIJ KIK	James Duaneb
KGZ		KIL	
KHA KHB KHC	Karluk, Alaskac Kogiung, Alaskac Chignik, Alaskac	KIM	
KHD		KIN KIO	
KHE KHF	Nushagak, Alaskac	KIP	
KHG	Clarks Point, Alaskac	KIQ	l

Call signal.	Station.	Call signal.	Station.
KIR KIS	Ellamar, Alaskac	KJZ KKA KKB KKC	Antilles b El Sol b
KIT		KKD KKE	Chalmette b Comus b Topila b
KIU		KKF	Topila
KIV	• • • • • • • • • • • • • • • • • • • •	KKG	
KIW		KKH	
KIX		KKI	
KIY		KKJ	
KIZ KJA KJB	Jualin, Alaska c Bunker Hill b	KKK	
KJC KJD	North Landb	KKL KKM KKN	El Alba b Momus b El Norte b
KJE		KKO KKP	Excelsior b Proteus
KJF		KKQ KKR	El Sud b Creole b
KJG		KKS KKT	El Siglob
KJH		KKU KKV	El Mundob El Orienteb
KJI		KKW KKX	El Valle b El Occidente b El Dia b
KJJ		KKY KKZ	El Riob
KJK		KLA	
KJL KJM	Massachusettsb	KLB	
KJN KJO	Old Colonyb	KLC	
KJP	Old Colony .	KLD KLE	
KJQ		KLE	
KJR		KLG	
KJS	North Starb	KLH	
KJT		KLI	
KJU		KLJ	
KJV		KLK	
KJW KJX		KLL	
KJY		KLM	

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
KLN		KMW KMX	Colon b
KLO		KMY	
KLP			
KLQ		KMZ	n . n
KLR KLS	Los Angeles, Cal	KNA KNB KNC KND	Dorothy Bradford b Lexington b Concord b Beverly b
KLT		KNE	Evelynb
KLU			Carolynb
KLV		KNG	
KLW		KNH	
KLX		KNI	
KLY		KNJ KNK KNL	New Jersey b New York b Nelson b
KLZ KMA	Alliançab	KNM	Millinocketb
КМВ	,	KNN	
KMC		KNO	
KMD KME	Cristobal b Maine b	KNP KNQ KNR	Lucy Neffb Zealandiab
KMF		KNS KNT	Shinnecockb
KMG KMH	Panamab	KNU	Currier b
KMI		KNV KNW	Wyandotteb
KMJ		KNX	
KMK		KNY.	· · · · · · · · · · · · · · · · · · ·
KML		KNZ KOA	Americab Hamiltonb
КММ		KOB KOC	Princess Anneb Jamestownb
KMN KMO	Atlantic Cityb C. W. Morseb	KOD	Jeffersonb
KMP		KOE	
KMQ		KOF KOG	Madisonb
KMR KMS	Anconb	кон	,
КМТ		KOI	
KMU		кој	
KMV	Advanceb	KOK	l

Call signal.	Station.	Call signal.	Station.
KOL		KPY	
KOM		KPZ	
KON		KQA KQB	Berkshireb
K 00		KQC KQD	Cretan b Dorchester b
KOP		KQE	Essexb
KOQ		KQF KQG	Gloucesterb
KOR		KQH KQI	Howardb Indianb
KOS	Brunswick b	KŎĴ	Juniatab
		KQK	Kershawb
KOT		KQL	Lexingtonb
VOII		KQM	Merrimackb
KOU KOV	Olivetteb	KQN KQO	Nantucketb Ontariob
KOW .	Mascotte b	KÕP	Parthianb
		KQQ	Quanticob
KOX		KQR	Grecianb
KOY	İ	KQS	Somersetb
KOZ	Miamib	KQT	Tuscanb
KPA	Seattle, Washc	KQU	
KPB	Ketchikan, Alaskac		
KPC	Astoria, Oregc	KQV	
KPD	Friday Harbor, Washc	170377	
KPE		KQW KQX	Persian b
KPF	Forwardb	KÕY	Powhatanb
		KQZ	Suwanneeb
KPG		17 D A	
КРН	Hillcrest, Cal	KRA KRB	Governor Cobbb
KPI	Avalon, Cal	KRC	Camden b
KPJ	Avalon, Calc East San Pedro, Calc	KRD	Belfastb
***		KRE	Bay Stateb
КРК		KRF	Ransom B. Fullerb
KPL	Pilot Boyb	KRG	Gir A D
KPM	Eureka, Cal	KRH KRI	City of Bangorb City of Rocklandb
KPN		KRJ	Reliefb
KPO		KRK KRL	Louiseb
KPP		KRM	Louise
KPQ	[KRN	Calvin Austinb
KPŘ	P. R. R. Barge 707b	KRO	Columbiab
KPS	Satelliteb	KRP	Rescueb
KPT		KRQ KRR	I. J. Merrittb Millsb
VLI	[·····	KRS	Savageb
KPU		KRT	
KPV			
KPW	Cape Codb	KRU	
KPX	Marshfield, Oregc	' KRV	Governor Dingleyb

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
KRW		KTO	S.O. C. N. M.
KRX KRY	City of Baltimoreb	KTP KTQ KTR	S. O. Co. No. 94 b City of Everett b Radiant b
KRZ	City of Norfolkb	KTS KTT	Vestab Paraguayb
KSA		KTU KTV	Sunb
KSB		KTW	Toledob Delaware Sunb
KSC KSD	San Diego, Cal	KTX KTY	Socony b S. O. Co. No. 92 b
KSE	0,	KTZ	
KSF	Finlandb	KUA	
KSG KSH	Kroonlandb	KUB	
KSI		KUC	
KSJ		KUD	
KSK KSL	St. Louis b	KUE KUF	
KSM KSN	Philadelphia b New York b St. Paul b	KUG	
KSO KSP	St. Paulb	KUH	
KSQ		KUI	
KSR		KUJ	
KSS	South San Francisco, Calc	KUK	
KST		KUL	
KSU KSV	City of Richmondb	KUM	
KSW	City of Annapolisb		
KSX KSY	Alabamab Floridab	KUO KUP	Pettiboneb
KSZ KTA	Virginiab Larimerb	KUQ	
ктв		KUR	
KTC	Shenangob		i
KTD KTE KTF	Ligonier b Winifred b J. M. Guffey b	KUS KUT	Floridab Pan Americanb
KTG KTH	Gulfoilb	KUU	
KTI KTJ	Brilliantb Cometb	KUV	
KTK KTL KTM	John D. Archboldb Rayob Eoceneb	KUW	
KTN	Perfectionb	KUX	

Station		<u> </u>		
KUZ KWH Havana b KVA Apache b KWI KVC Comanche b KWJ KVD KWK W. B. Keeue b KVD KWL W. B. Keeue b KVF KVA KWM KWM KVF Algonquin b KWN KVI KWI KWP KWQ KVI Cherokee b KWQ KVU Cherokee b KWR KVN KWS Saratoga b KVO KWT KWW KVO KWW Wigilancia b KVR KWY KWY Boston b KVV KWZ KWZ Boston b KVV KWY KXA Boston b KVV KWZ KXA Boston b KVV KWZ Boston b KVV KXA Boston		Station.	Call signal.	Station.
KVA Apache. b KWI KWI </td <td></td> <td>•</td> <td></td> <td></td>		•		
KVB Arapahoe b KWJ W.B. Keene b KVD KVD KWK W.B. Keene b KVF KVF KWM KWM KWM KVF Algonquin b KWN KWO KVI Seminole b KWQ KWQ KVI Lenape b KWR KWR KVN Mohawk b KWR Saratoga b KVO KWT KWW Wigilancia b KVP KWW KWW Monterey b KVV KWX KWX Monterey b KVV KWX KXX Monterey b KVV KXX KXX Monterey b KXX KXX KXX Montere	KUZ		kwi	
KVD KVE KWK KWL KWL KWL KWL KWL KWL KWL KWL KWM M. Evene. b KWL KWM M. Evene. b KWL KWN M. Evene. b KWN M. Evene. B. Evenen. B. Evenen. B. Evenen. b KWR B. Evenen. b KWR B. Evenen. b KWR B. Evenen. b KWR B. Evenen. b. Eve	KVB	Arapahoeb	KWJ	
KVE KVF KWM KWN KWR KWN KWR KWN KWN <td></td> <td></td> <td>kwk</td> <td>W. B. Keeneb</td>			kwk	W. B. Keeneb
KVF KVG	KVD		KWL	
KVF KVG KVH Iroquois. b Algonquin. b KWN KWN KVI KVI KWP KWP KVI KVB KWQ KVL Cherokee b KVL KWQ KVI KWR KWR KVN KWS Saratoga b KVO KWT KWW KVQ KWV Vigilancia b KVR KWW Monterey b KVT KWZ KWZ Esperanza b KVU Elmer A. Keeler b KXB City of Lowell b KVV South American b KXF KXD Mohawk b KVY South American b KXF KXG Commonwealth b KVY Lundin power lifeboat b KXF HOhawk b KVZ Relay b KXI Flymouth b KWA KWA KXI KXI Flymouth b	KVE		KWM	
KVI KVD KWP KWR KWR Lenape. b KWR KWR KWR KWR KWR KWR KWR KWR KWW KWW KWW KWV WW KWW WW		Iroquoisb	1	
KVI KVJ KWP KWP KWP KWP KWP KWP KWP KWQ Lenape. b KWR KWR KWR KWR KWR KWR KWR KWR KWW KWW </td <td></td> <td>Huronb</td> <td></td> <td></td>		Huronb		
KVJ Seminole Cherokee b Cherokee b KWQ KVL Lenape b KVN KWS Saratoga b KVO KWT KWT KVP KWU KWU KVR KWW KWW KVR KWW KWW KVR KWW KWW KVR KWW Mexico b KVV KWZ KXA Boston b KVV KXB Gity of Lowell b b KVV South American b KXF New Hampshire b KVY KXI KXI Pilgrim b	KVI			
KVK Cherokee b KWQ KVM Mohawk b KWR KVO KWO KWT KVO KWU KWU KVQ KWV Vigilancia b KVR KWW KWY KWX KVR KWY Mexico b KVT KWY KWY Esperanza b KVU Elmer A. Keeler b KXB City of Lowell b KVV KXD KXD Mohawk b b KVW South American b KXF Mohawk b b KVY KVZ Relay b KXF Pilgrim b KVZ Relay b KXK KXL City of Taunton b KWB KWC Morro Castle b KXP Pequonnock b KWE Morro Castle b KXP Pequonnock b KWE KXS KXS	KVJ	Seminoleb	KWP	
KVN KWS Saratoga .b KVO KWT KVP KWU KVQ KWV Vigilancia .b KVR KWW KVS KWX Mexico .b KVT KWZ Esperanza .b KVU Elmer A. Keeler .b KXB City of Lowell .b KVV KXD KXB Commonwealth .b KVW South American .b KXF New Hampshire .b KVX Lundin power lifeboat .b KXG Plymouth .b KVY KXI Priscilla .b Providence .b KVZ Relay .b KXL KXL Worldence .b KWA .b KXM KXL Mohegan .b KWB .b KXO KXP Pequonnock .b KWC Morro Castl		Cherokeeb	KWQ	•••••
KVO KWT KWU KVQ KWV Vigilancia		Mohawkb	KWR	
KVP KWU KWU KVR KWV Vigilancia b KVR KWW KWW KWW KVS KWX Mexico b KVT KWY KWY Monterey b KVU Elmer A. Keeler b KXA City of Lowell b KVV KXD KXD Moine b b KVW South American b KXF New Hampshire b KVX Lundin power lifeboat b KXG New Hampshire b KVY KXI Priscilla b Priscilla b KVZ Relay b KXK KXI Privalence b KWA KXA KXX KXI New Haven b KWB KXO	KVN		kws	Saratogab
KVQ KWV Vigilancia b KVS KWX Mexico b KVT KWY Monterey b KVU Elmer A. Keeler b KXB City of Lowell b KVV KXD KXD Monterey b b KVV KXAB City of Lowell b b KVV KXE Mohawk b b KVX Lundin power lifeboat b KXF New Hampshire b KVY KXI KXI Pilgrim b KVY KXI KXJ Providence b KVZ Relay b KXK City of Taunton b KWA KXN KXN Mohegan b KWB KXO KXQ Pequonnock b KWD KXR KXS Chester W. Chapin b	KVO		KWT	
KVR KWW KWW KVS KWX Mexico. b KVT KWZ KWZ Boston. b KVU Elmer A. Keeler. b KXB City of Lowell. b KVV KXD KXD Maine. b KVV KXE Mohawk. b KVX Lundin power lifeboat. b KXG KVY KXI Pilgrim. b KVY KXI Priscilla. b KVZ Relay. b KXXI KWA KXI Providence. b KWA KXM Mohegan. b KWB KXO KXP Pequonnock. b KWD KXR Pequonnock. b KWE KXS Chester W. Chapin. b	K VP		KW Ù	
KVS KWX Mexico. b KVT KWZ KWZ b KVU Elmer A. Keeler. b KXA Boston. b KVV KXC Commonwealth. b b KVW South American. b KXF New Hampshire. b KVY KXI New Hampshire. b b KVY KXI Plymouth. b KVZ Relay. b KXX Providence. b KWA KXM Monegan. b b KWB KXO KXP Pequonnock. b KWD KXR KXS Chester W. Chapin. b KWE KXS KXS Chester W. Chapin. b	KVQ		KWV	Vigilanciab
KVT KWZ KWZ Esperanza b KVU Elmer A. Keeler b KXA Boston b KVV KXB City of Lowell b b KVV KXD KXD Maine b KVX Lundin power lifeboat b KXF Mohawk b KVY KXG Pilgrim b b KVY KXI Priscilla b KVZ Relay b KXK Puritan b KWA KXM KXM Mohegan b KWB KXO KXP Pequonnock b KWD KXR Pequonnock b KXR Richard Peck b	KVR		KWW	
KVT KWZ Esperanza b KVU Elmer A. Keeler b KXB City of Lowell b KVV KXD KXB Commonwealth b KVW South American b KXF Mohawk b KVX Lundin power lifeboat b KXF New Hampshire b KVY KXI Priscilla b KXI KVZ Relay b KXXI Providence b KWA KXX KXX New Haven b KWB KXO KXO KXO KWB KXO KXP Pequonnock b KWD KXS Chester W. Chapin b KWE KXS KXS Chester W. Chapin b	KVS			
KVU Elmer A. Keeler b KXA KXB City of Lowell b KVV KXD KXD Commonwealth b KVW South American b KXE Mohawk b KVX Lundin power lifeboat b KXF Pilgrim b KVY KXI Priscilla b KVZ Relay b KXK New Hampshire b KVZ Relay b KXJ Priscilla b KWA KXK KXI Puritan b KWB KXN Mohegan b KXO KXP Pequonnock b KWD KXR Chester W. Chapin b KWE KXS KXS	KVT			Esperanzab
KVV KXC Commonwealth b KVW South American b KXF Mohawk b KVX Lundin power lifeboat b KXF New Hampshire b KVY KXI Pilgrim b b KVZ Relay b KXI Priscilla b KWA KXI Providence b b KWA KXX Puritan b KWB KXN Mohegan b KWO Morro Castle b KXO KWD KXR Pequonnock b KXR Richard Peck b	KVII	Elmer A Keeler h		Bostonb
KVW South American b KXE Mohawk b KVX Lundin power lifeboat b KXF New Hampshire b KVY KXH Plymouth b b KVZ Relay b KXK Puritan b KWA KXM KXM Puritan b KWB KXN Mohegan b KWC Morro Castle b KXP Pequonnock b KWD KXR Chester W. Chapin b KWE KXS KXS Chester W. Chapin b			KXC	Commonwealthb
KVX Lundin power lifeboat b KXG Pilgrim b KVY KXH Plymouth b KVZ Relay b KXK Providence b KWA KXL KXL City of Taunton b KWB KXN New Haven b KWC Morro Castle b KXP Pequonnock b KWD KXR Richard Peck b KWE KXS KXS Richard Peck b			KXE	Mohawkb
KVY KXH Plymouth b KVZ Relay b KXJ Providence b KWA KXK Puritan b b KWB KXM Mohegan b KWO Morro Castle b KXP Pequonnock b KWD KXR Chester W. Chapin b KWE KXS KXS Chester W. Chapin b		South Americanb Lundin power lifeboatb	KXG	Pilgrimb
KVZ Relay b KXK KXL KXL KXL KXL KXL KXM KXL KXM KXL KXM Mohegan b City of Taunton b KWB KWO Morro Castle KXO KXP KXQ KXQ Chester W. Chapin b Chester W. Chapin b KWE KXS KXS KXS Chester W. Chapin b	KVY		KXI	Priscillab
KWA KXL City of Taunton	KVZ	Relayb	KXK	Puritanb
KWB KXN New Haven b KWC Morro Castle b KXO Fequonnock b KWD KXQ Chester W. Chapin b chester W. Chapin b KWE KXS KXS chester W. Chapin chester W. Chapin	KWA	-		City of Tauntonb
KWC Morro Castle b KXO KXP KXQ Chester W. Chapin b KWD KXR Richard Peck b KWE KXS				New Havenb
KWD KXQ KXR Chester W. Chapinb Richard Peckb KWE KXS		Morro Castleb	KXP	Pequonnockb
KWE KXS	KWD			Chester W. Chapinb
KWF KXT				
	KWF		KXT	

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Call signal.	Station.	Call signal.	Station.
KXU		KZL	
KXV		KZM	
KXW		KZN	
KXX		KZO	
KXY		KZP	
KXZ KYA	Atalantab	KZQ	
KYB KYC	North Windb Corsairb	KZR	
KYD KYE	Cyprusb Cassandrab	KZ8	
KYF KYG	Florenceb Wild Duckb	KZT KZU	
KYH KYI KYJ	Alohab Wakivab	KZV	
KYK KYL	Sayonarab Kismetb Lysistratab	KZW	
KYM KYN	Columbiab Niagarab	KZX	,
KYO KYP	Nomab Oneidab	KZY	
KYQ KYŘ	Californiab Karinab	KZZ	
KYS KYT	Sea Otterb Vanadisb	NAA	Arlington, Radio, Vac
KYU KYV	Mohawkb Adventuressb	NAB NAC	Portland, Mec
KYW KYX	Warriorb Wanab	NAD NAE NAF	Boston, Massc Cape Cod, Massc
KYY KYZ	North Star	NAG NAH NAI	Newport, R. I
KZA		NAJ	
KZB		NAK NAL	Annapolis, Mdc Washington, D. Cc
KZC KZD		NAM NAN NAO	Norfolk, Vac Beaufort, N. Cc Charleston, S. Cc
KZE		NAP NAQ	St. Augustine, Flac Jupiter, Flac
KZF		NAR NAS	Key West, Flac Pensacola, Flac
KZG		NAT NAU	New Orleans, Lac San Juan, P. Rc
KZH		NAV	
KZI		NAW NAX	Guantanamo Bay, Cubac Colon, Panamac
KZJ		NAY	
KZK		NAZ	1

Call signal.	Station.	Call signal.	Station.
NBA		NCK NCL	Bealeb
NBB NBC		NCM NCN	Birminghamb
NBD		NCO	Бинивиан
NBE		NCP	
NBF		NCQ	
		1	
NBG NBH NBI	Ajaxb Alabamab	NCR NCS	
NBJ	Albanyb	NCT	
NBK NBL	Alertb	NCU NCV	Buffalob Burrowsb
NBM		NCW	
NBN		NCX NCY	Caesar b
NBO		NCZ	Californiab
NBP	Ammenb	NDA NDB	Castine b Celtic b
NBQ NBR	Annapolisb	NDC	
NBS		NDD NDE	
NBT NBU NBV	Arethusa	NDF NDG NDH NDI	Chester
NBX		NDJ	Onicago
NBY NBZ		NDK NDL NDM	Cincinnati b Cleveland b
NCA		NDN	Coloradob
NCB NCC NCD	New York b Texas b	NDO NDP NDQ	Connecticutb
NCE NCF	Bailey b	NDR	
NCG NCH	<u></u>	NDS	
NCH NCI	Baltimoreb	NDT NDU	Culgoab
NCJ		NDV	

Call signal.	Station.	Call signal.	Station.
NDW		NFH	
NDX NDY	Cyclopsb	NFI	
NDZ		NFJ	
NEA		NFK	
NEB		NFL NFM	Fanningb
NEC		NFN	
NED		NFO	
NEE		NFP	
NEF NEG		NFQ NFR NFS	Florida. b Flusser. b
NEH		NFT NFU	Rangerb
NEI		NFV	
NEJ NEK	Delawareb	NFW	
NEL	Delaware	NFX	
NEM NEN	Denverb Des Moinesb	NFY	
NEO NEP NEQ	Dixieb Dolphinb	NFZ NGA NGB	Columbiab Minneapolisb
NER		NGC NGD	Galvestonb
NES NET NEU	Draytonb Dubuqueb	NGE NGF	Georgiab
NEV		NGG NGH NGI	Glacierb Chattanoogab
NEW		NGJ NGK	Goldsboroughb Marbleheadb
NEX		NGL	
NEY		NGM	
NEZ NFA NEB	Brooklynb Milwaukeeb	NGN	
NFB NFC NFD	Eagleb	NGO	
NFE	Charleston b	NGP	
NFF		NGQ	
NFG		NGR	

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

			
Call signal.	Station.	Call signal.	Station.
NGS		NIG	
NGT		NIH NII	Aylwinb Balchb
NGU	Hannibalb	NIJ NIK	Benham b Cassin b
NGV		NIL NIM	Cummings b Cushing b
NGW	. <u></u>	NIN	Downesb
NGX NGY	Hectorb Helenab	NIO NIP	Kansas b Kearsarge b
NGZ		NIQ NIR	Kentuckyb Duncanb
NHA	Henleyb	NIS	
NHB		NIT	McDougalb
NHC NHD	Hopkinsb Monadnockb	NIU NIV	Nicholsonb O'Brienb
NHE	Hullb	NIW NIX	Lamsonb Parkerb
NHF NHG	Amphitrite	NIY NIZ	Lawrenceb Lebanonb
NHH	Ozarkb Hancockb	NJA NJB	Winslow b Louisiana b
NHI		NJC	Decaturb
NHJ		NJD	
NHK		NJE	
NHL		NJF	
NHM		NJG	
NHN NHO	Illinoisb	NJH NJI	Macdonoughb
NHP	T. 32	NJJ	,
NHQ	Indianab		
NHR		NJK NJL	Maineb
NHS NHT	lowab	NJM	
NHU NHV	Irisb Iroquoisb	NJN	
NHW		NJO	
NHX		NJP	
NHY		NJQ NJR	Marietta b Mars b
NHZ	D.: 1.::1.	NJS NJT	Maryland b Massachusetts b
NÍA NIB	Bainbridge b Jarvis b	NJU NJV	Mayrantb Mayflowerb
NIC		NJW	McCallb
NID NIE	Jenkinsb Jouettb	NJX	
NIF		NJY NJZ	Michigan b
54	1773°—14——5		•

Call signal.	Station.	Call signal.	Station.
NKA		NLP	
NKB		NLQ	
NKC NKD	Minnesotab	NLR	
NKE		NLS	
NKF	Missourib	NLT	
NKG		NLU	
NKH		NLV	
NKI		NLW	
NKJ		NLX	
NKK NKL	Monaghanb	NLY	
NKM NKN NKO	Montana b Monterey b Montgomery b	NLZ NMA NMB	Nebraska b Nero b
NKP		NMC	Vestalb
NKQ		NMD NME	New Hampshire b
NKR		NMF NMG	New Jerseyb New Orleansb Newportb
NKS		NMH NMI	Newport
NKT		NMJ	
NKU		NMK	
NKV		NML	
NKW		NMM	
NKX NKY NKZ	Nashvilleb Navajob	NMN NMO	North Carolinab North Dakotab
NLA NLB	Nantucket Shoals Lightshipc Diamond Shoals Lightshipc	NMP	
NLC NLD	Frying Pan Shoals Lightshipc Relief Lightship 66 or 85b	NMQ	
NLE NLF	Relief Lightship 71 or 72b Kukuib	NMR NM8	Neptuneb
NLG NLH	Relief lightship 94 or 53 b Patterson b	NMT	Neptune
NLI NLJ	Explorerb Pathfinderb	NMU	
NLK	Bacheb	NMV	
NLL		NMW	Ohiob
NLM NLN		NMX	
NLO		NMY NMZ	Oregonb

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call	Station.
signai.		signal.	
NNA NNB NNC	Brutus b Jason b Jupiter b	NOL NOM NON	Patapscob Patuxentb Pauldingb
NND		NOO NOP	Paul Jonesb
NNE NNF	Nereusb	NOQ	
NNG NNH	Proteusb Leonidasb	NOR	
NNI NNJ NNK	Justinb Nanshanb	NOS NOT	Pittsburghb
NNL '		NOU	
NNM	Saturnb	NOV NOW NOX	Peoria. b Perkins. b
NNN		NOY NOZ	Perryb Petrelb
NNO		NPA NPB	Cordova, Alaskac Sitka, Alaskac
NNP		NPC NPD	Puget Sound, Washc Tatoosh, Washc
NNQ		NPE NPF	North Head, Washc Cape Blanco, Oregc
NNR		NPG	
NNS		NPH NPI	Mare Island, Calc Farallons, Calc
NNT		NPJ NPK	Balboa, Panamac Point Arguello, Calc
NNU		NPL NPM	San Diego, Calc Honolulu, Hawaiic
NNV		NPN NPO	Guam, Marianne Isldsc Cavite, P. Ic
NNW		NPP NPQ	Peking, Chinac St. Paul, Pribilof Islds., Alaska.c
NNX		NPR NPS	Dutch Harbor, Alaskac Kodiak, Alaskac
NNY		NPT NPU	Olongapo, P. Ic Tutuila, Samoac
NNZ NOA NOB	Osceola. b Abarenda b	NPV NPW	Unalga, Alaskac Eureka, Calc
NOC	Orionb	NPX NPY	St. George, Pribilof Islds.,
NOE		NPZ	
NOF NOG	Paducahb	NQA	
NOH		NQB	
NOI		NQC	
NOJ NOK	Panther b Patterson b		<u> </u>

Call signal.	Station.	Call signal.	Station.
NQE		NSC	
ÑQF	Pompeyb	NSD	
NQG		NSE	
ИQИ		NSF	
NQI	T-le 1-1	NSG	
NQJ NQK	Isla de Luzon b Potomac b		
NQL NQM	Machiasb Prairieb	NSH	
NQN NQO	Prebleb Prestonb	NSI	
NQP NQQ	Princetonb Monocacyb	NSJ NSK	Yankton b
NQR NQS	Prometheusb Palosb	NSL	Gloucesterb
NQT	Pampangab	NSM	
NQU NQV	Sacramentob	NSN	
NQW		NSO	
NQX NQY	Yorktownb Albatrossb	NSP NSQ	Smithb
NQZ		NSR	
NŘA NRB	Algonquinb Bearb	NSS	
$\begin{array}{c} \mathbf{NRC} \\ \mathbf{NRD} \end{array}$	Morrillb Androscogginb	NST	Solaceb
$\begin{array}{c} \mathbf{NRE} \\ \mathbf{NRF} \end{array}$	Senecab	NSU NSV	Waspb
NRG NRH	Gresham	NSW NSX	South Carolinab South Dakotab
NRI NRJ	Itascab Woodburyb	NSY	
$rac{NRK}{NRL}$	Tahomab Tuscarorab	NSZ	
NRM NRN	Mohawkb Manningb	NTA NTB	Ontariob
NRO NRP	Onondagab Apacheb	NTC NTD	Stewart
NRQ NRR	Miami	NTE NTF	Raleighb St. Louisb
NRS NRT	Seminole	NTG	Sonomab
NRU NRV	Acushnetb Winonab	NTH	
NRW NRX	Windomb Unalgab	NTI	
NRY NRZ	Yamacrawb	NTJ	
NSA		NTK NTL	Supplyb Sylphb
NSB	,	NTM	

¹ This station will accept general public service in emergencies, when open.

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
NTN		NUZ NVA	
NTO NTP NTQ NTR	Salemb San Franciscob Saratogab	NVA NVB NVC	Farragutb
NTS NTT NTU	Scorpion b Reid b	NVD NVE NVF	Utah b Uncas b
NTV		NVG	o news
NTW NTX	Rhode Islandb	NVH	
NTY		NVI.	
NTZ NUA	Roeb Tacomab	NVJ NVK	Vermontb
NUB NUC	Tallahasseeb	NVL	
NUD		NVM NVN	Vesuviusb Vicksburgb
NUE			
NUF NUG	Tennesseeb	NVO NVP	Villalobosb
NUH NUI	Terryb	NVQ NVR	Virginiab
NUJ		NVS NVT	Vulcan b
NUK		NVU	
NUL		NVV	
NUM NUN	Tonapahb	NVW	
NUO		NVX	
NUP		NVY	
NÜQ	Trippeb	NVZ	
NUR NUS	Truxtonb	NWA	
NUT		NWB	
NUU		NWC	
NUV		NWD NWE	Warringtonb Washingtonb
NUW NUX	Sotoyomob	NWF NWG NWH	West Virginia b Wheeling b
NUY		NWI	Whippleb

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal	Station.	Call signal.	Station.
NWJ		NXQ	
NWK	Wilmingtonb		
NWL	Walkeb	NXR	
NWM	Wisconsinb	NX8 NXT	E-1b E-2b
NWN		NXU NXV	F-1b F-2b
NWO		NXW	F-3b
NWP	Wordenb	NXX	F-4b
NWQ	Wyomingb	NXY	G-1b
		NXZ	G-2b
NWR		NYA NYB	G-3b
NWS	l	NYC	G-4b H-1b
		NYD	H-2b
NWT		NYE	H-3b
NWU		NYF NYG	K-1b K-2b
11110		NYH	K-3b
NWV		NYI	K-4b
NWW		NYJ NYK	K-5b K-6b
74 44 44		NYL	K-7b
NWX		NYM	K-8b
NWY		NYN	
NWZ		NYO	
NXA		NYP	
NXB		NYQ	
NXC		NYR	
NXD		NY8	
NXE		NYT	
NXF		NYU	
NXG		NYV	
NXH		NYW	
NXI		NYX	
NXJ		NYY	
NXK		NYZ	
NXL	,	NZA NZD	
NXM NXN	7	NZB NZC	
NXO		NZD	
NXP		NZE	
MAI	***************************************	14611	

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
Signai.		Signai.	
NZF		WAP	
NZG		WAQ WAR	Condorn
NZH		WAS	Cordovab Admiral Sampsonb
NZI		WAT	D 1 1
NZJ		WAU WAV	Dolphin b Seward b
NZK		WAW	Admiral Watsonb
NZL		WAX WAY	Admiral Deweyb
NZM		WAZ WBA	Admiral Schleyb Santa Clarab
NZN	•••••	WBB WBC	Santa Cecilia b Santa Catalina b
NZO		WBD	Santa Cruzb
NZP		WBE WBF	Boston, Massc
NZQ		WBG WBH	Iroquoisb Chippewab D., L. & W. R. R. limited
NZR		WBI	D., L. & W. R. R. limited train
NZS		WBJ	
NZT		WBK WBL	Breakwaterb Buffalo, N. Yc
NZU		WBM WBN	Redondob Benton Harbor, Michc
NZV		WBO WBP	Nann Smithb Hermosab
NZW		WBQ WBR	Berthab
NZX		WBS WBT	Baltimore. Mdc
NZY	Washington, D. Cc	WBU WBV	Binghamton, N. Yc Hoboken, N. Jc Cabrillob
NZZ	Tarragonb	WBW WBX	Burrwood, Lac Dover, N. Jc
WAA WAB	Alamedab Admiral Evansb		
WAC	Chicagob	WBY WBZ	Glory of the Seasb
WAD WAE	Victoriab	WCA	Tionestab
WAE	Edithb Admiral Farragutb	WCB WCC	Juniatab South Wellfleet, Massc
WAG		WCD	Octorarab
WAH	Dorab	WCE	
WAI WAJ	Latoucheb Jeffersonb	WCF	
w AJ	јеневон	WCG	Favorite
WAK		WCH WCI	Boston, Massc Newport, R. Ic
WAL	Santa Anab		Mowport, Iv. I
WAM	Washingadam h	WCJ	
WAN WAO	Northwesternb Dirigob	wck	

Call signal.	Station.	Call signal.	Station.
WCL		WEG	City of St. Ignaceb
WCM	Calumet, Michc	WEH	City of Alpena IIb
WCN	North Landb		city of imposite in
11 011	North Land	WEI	
WCO	l	WEJ	Nyack. b
1100		WEK	Minnesotab
WCP		WEL	E. G. Crosbyb
TTTOO		WEN	
WCQ	m v	WEM WEN	Wanth America
WCR	The Harvesterb	WEO	North Americanb
Waa			South American b
WCS	m 1 Dlu	WEP	El Paso, Texc
WCT	Theodore Rooseveltb	WEQ	Col. James M. Schoonmaker b
TTTOTT		WER	William P. Snyderb
WCU		WES	William P. Snyder, Jrb
TTTOTT		WET	Shenangob
WCV		WEU	Wilpenb
WCW		WEV	
WCX	Cleveland, Ohioc	WEW	Marquette & Bessemer No. 1. b
WCY	Cape May, N. J	WEX	Marquette & Bessemer No. 2. b
WCZ	Illinoisb	WEY	Alvinab
WDA	Pere Marquetteb	WEZ	Ashtabulab
WDB	Pere Marquette 19b	WFA	Georgiab
WDC	Pere Marquette 17b	WFB	Alabamab
WDD	Pere Marquette 18b	WFC	Indianab
WDE	Pere Marquette 20b	WFD	Iowab
""	I oro marquotto zo	WFE	Carolina b
WDF		WFF	Fort Worth, Tex
""		WFG	Arizonab
WDG		WFH	Virginia b
2 u		WFI	Chicago b
WDH		WFJ	Christopher Columbusb
WDI	City of South Havenb	WFK	Frankfort, Mich
WDJ	Lakeportb	WFL	Sheboyganb
WDK	Lakewoodb	WFM	Fort Morgan. Alac
WDL	Lakelandb	WFN	Eastlandb
WDM	Duluth, Minnc	1	
WDN	Ann Arbor No. 3b	WFO	
WDO	Ann Arbor No. 4b	WFP.	City of Erieb
WDP	Ann Arbor No. 5b	WFQ	City of Buffalob
_		WFR	State of Ohiob
WDQ		WFS	Seeandbee b
WDŘ	Detroit, Michc		
WDS	City of Grand Rapidsb	WFT	
WDT	City of Chicagob		
WDŪ	Puritanb	WFU	
WDV	City of Benton Harborb		
WDW	Hollandb	WFV	
		WFW	Manitoub
WDX		WFX	Missourib
WDY	Lydoniab	WFY	Sialiab
WDZ		WFZ	
WEA	City of Cleveland IIIb	WGA	City of Seattleb
44 TAV	City of Mackinac IIb	WAR	
WER	Oldy of mackinac II	WGB	
WEB	City of Detroit II		
WEC	City of Detroit IIb	WCC	
WEC WED	Western Statesb	WGC	Delhi
WEC	City of Detroit II. b Western States b Eastern States b City of Detroit III. b	WGC WGD WGE	Delhi b Spokane b

Call signal.	Station.	Call signal.	Station.
THOT		*****	
WGF		WIB	
WGG	Tuckerton, N. Jc		
WGH	Grand Haven, Michc	WIC	
WGI		WID	
WGJ-		WIE	
WGK		WIF	
\mathbf{WGL}		WIG	
WGM	Grand Marais, Minnc]
WGN	Santa Rosab	WIH	
WGO	Chicago, Illc	WII	Belmar, N. J c
WGP	President b		Domai, it. d
		77777	
$\mathbf{W}\mathbf{G}\mathbf{Q}$	City of Pueblab	WIJ	
\mathbf{WGR}	Governorb		
\mathbf{WGS}	Senatorb	WIK	
WGT	Congressb	I	
WĞŪ	Umatilla	WIL	i
	Umatillab Galveston, Texc	WILL	
WGV	Galveston, Tex		
	1	WIM	
$\mathbf{w}_{\mathbf{G}}\mathbf{w}$	1		
WGX	Queenb	WIN	
WĞŸ	City of Topekab		
WGZ	Condian b	wio	
	Guardianb	WIO	
WHA	Cape Hatteras (Buxton), N. C. c		
\mathbf{WHB}	New York, N. Y	WIP	
\mathbf{WHC}	Columbiab		i .
WHD	New York, N. Yc	WIQ	l
WHE	Philadelphia, Pac		
		WIR	
WHF	 		
WHG	W. B. Flintb	WIS	l
WHH	St. Francesb	WIT	United Statesb
WHI	New York, N. Y	''	Carteer Budges
	New Tork, N. 1	WIU	
WHJ	Sierrab	WIU	
WHK	New Orleans, Lac		1
\mathbf{WHL}	Venturab	WIV	
\mathbf{WHM}	Sonomab		1
WHN	Hanaleib	WIW	
WIIIC	1	WIV	1
WHO	[WIX	
WHP	Mariposab		1
\mathbf{WHQ}	Mackinac Island, Michc	WIY	
WHR	North Starb	1	1
WHS	Adeline Smithb	WIZ	
WHT	Whittier b	'' 12	
44 17 1	44 HTT0 (HTG)	WJA	
WHU	1		
		WJB	1
\mathbf{WHV}	1	1	
WHW	Mackinawb	WJC	
WHX	Humboldtb	1 4430	
*****		7777	
WHY		WJD	
		137717	1
WHZ		WJE	
WIA	J	WJF	1

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
WJG		wkx	Missourianb
WJG		WKY	Nebraskan b
WJH		WKZ	Nevadan b
W 311		WLA	Wakivab
WJI		WLB	Belugab
*****		WLC	New London, Connc
WJJ		WLD	Ludington, Michc
WJK		WLE	
WJL		WLF	
1101		"	
WJM		WLG	
WJN		WLH	<u></u>
		WLI	Iaquab
wjo			
WID		WLJ	
WJP		WLK	
WJQ		WLK	
1100		WLL	
WJR		1 1122	
11010		WLM	
WJS		WLN	Newton, Mass
			,
WJT		WLO	
$\mathbf{W}\mathbf{J}\mathbf{U}$		WLP	
337 737			
WJV	Hababan N T	WLQ	
$egin{array}{c} ext{WJW} \ ext{WJX} \end{array}$	Hoboken, N. J c Jackson ville, Fla	WLR	
WJA	Jackson ville, Fla	WLK	
WJY	 	WLS	1
		W 130	
\mathbf{WJZ}		WLT	
WKA	Alaskanb	ł	
$\mathbf{W}\mathbf{K}\mathbf{B}$	Arizonanb	WLU	
\mathbf{WKC}	Californianb		
\mathbf{WKD}	Dakotanb	WLV	
WKE	Kentuckianb		
WKF	Americanb	WLW	
WKG	Georgian b	1177 TF	
WKH	Honolulanb	WLX	
WKI WKJ	Isthmianb	WLY	
WKK	Kansanb		
WKL	Mexican b	WLZ	.,,,,,
WKM	Minnesotanb	WMA	Multnomahb
WKN	Montananb	WMB	Mobile, Alac
WKO	Oregonianb	WMC	William Chathamb
WKP	Pennsylvanianb	man	
WKQ	Ohioanb	WMD	Wilmonkoo Wia
WKŘ	Panamanb	WME	Milwaukee, Wisc
WKS	Columbianb	WMF	Celilob
WKT	Texanb	WMG	
WKU	Hawaiianb		
WKV	Virginianb	WMH	
WKW	Washingtonianb	WMI	Minnesotab
	~		

Call signal.	Station.	Call signal.	Station.
WMJ		WOF	
WMK	Hvadesb	WOF	
		WOG	
WML WMM	Lurlineb	WOG	
WMN	Hilonianb	WOIT	
WMN WMO	Enterpriseb	WOH	
	Wilhelminab	woi	
WMP	Matsoniab	WOI	
WMQ	Manoa	WOJ	
WMR			
		wok	
WMS	1		
WMT	General Hubbard b	WOL	
	·		
\mathbf{WMU}		WOM	
*****		WON	
WMV	Manitamaa Wis	WON	
WMW	Manitowoc, Wisc Manistique, Michc	woo	1 '
WMX	Manistique, Michc	WOO	
WMY	Yucatanc	WOP	1
WMZ	·	1101	
VV 181.22		WOQ	1
WNA		,,,,,,,	
WNB	Oliver J. Olsonb	WOR	
WNC	Carlosb		
WND	Windberb	wos	Samsonb
WNE	Nushagakb		
WNF	Lyrab George W. Fenwickb	WOT	
WNG	George W. Fenwickb		1
$\mathbf{W}\mathbf{N}\mathbf{H}$	Lewis Luckenbachb	WOU	
$\mathbf{W}\mathbf{N}\mathbf{I}$	Leelanawb	wov.	Venetiab
WNJ	Navajob		
WNK	Al-Kib	wow	
WNL	Diamond Headb	****	
WNM	Damarab	wox	
WNN	Corwinb	WOX	
WNO	A. G. Lindsayb	WOY	
WNP	Pleiadesb	woz	•
WWO		WOZ	
WNQ WNR	Rochelleb	WPA	Santa Cruzb
WNS	Kvichak	WPB	Tyee Juniorb
WNT	Kvichakb New York, N. Yc	WPC	Tyeeb
WNU	New Orleans, La	WPD	Tampa, Flac
WNV	Portlandb	WPE	Tatooshb
WNW	San Ramonb		
WNX	Northlandb	WPF	
WNY	St. Helensb	WPG	Goliahb
$\mathbf{W}\mathbf{N}\mathbf{Z}$		WPH	
		WPI	Independentb
WOA		77777	
wob		WPJ	Kingfisher b
WOD		WPK	Kinghsherb
WOC		WPL	,
		WPL	
WOD		WPM	
WOE		WPN	Pioneerb
022			

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal,	Station.	Call signal.	Station.
WPO		WQX	
WPP		WQY	Yosemiteb
WPQ WPR WPS	Zaporab Ensenada, P. Rc Starrb	WQZ WRA WRB WRC	Henry T. Scott.
WPT		WRD	
WPU		WRE WRF	Fifieldb
WPV		WRG	
WPW WPX WPY WPZ	Columbia b Oneonta b Wallula b Joseph Pulitzer b	WRH WRI WRJ WRK	Harvard
WQA WQB		WRL WRM WRN	Riverside. b Nome City b
WQC	Caminob	WRO WRP	Isle Royal, Michc
$\begin{matrix} \mathbf{WQD} \\ \mathbf{WQE} \end{matrix}$	Edgar H. Vanceb	WRQ WRR	Roanokeb
$egin{array}{c} \mathbf{WQF} \\ \mathbf{WQG} \end{array}$	Greenwoodb	WRS WRT WRU	Santa Clarab Geo. W. Elderb Port Arthur, Texc
WQH	•	WRV WRW	Allianceb F. A. Kilburnb
WQJ		WRX WRY	Yaleb
WQK		WRZ WSA	Ashtabula, Ohioc
WQL		WSB WSC	Siasconset, Massc
WQM		WSD WSE	Stanley Dollarb Seagate, N. Yc
WQN		WSF WSG	Grace Dollarb Norwoodb
WQO		WSH WSI	Sault Ste. Marie, Michc
WQP		WSJ WSK	John A. Hooperb Sagaponack, N. Yc
WQQ		WSL	Sayville, Long Island, N. Yc
WQR WQS	Speedwellb	WSM WSN WSO	Centralia b Coronado b
WQT		WSP	
WQU WQV		WSQ WSR	Reuceb
WQW		WSS WST	St. Nicholas. b Miami, Fla. c

Call signal.	Station.	Call signal.	Station.
wsu	,	wux	
		WOAL	
WSV	Savannah, Gac	11777737	1
WSW	Willametteb	WUY	• • • • • • • • • • • • • • • • • • • •
WSX	Klamathb		
WSY	Virginia Beach, Vac	WUZ	
	•	WVA	Circle City, Alaska
WSZ		WVB	Fairbanks, Alaskac
WTA	Erskine M. Phelpsb	WVC	Fort Egbert, Alaskac
\mathbf{WTB}	Argyllb	WVD	Fort Gibbon, Alaskac
WTC	Lansingb	WVE	Fort St. Michael, Alaskac
\mathbf{WTD}	Oleumb	WVF	Kotlik, Alaskac
\mathbf{WTE}	Romab	WVG	Nome, Alaskac
\mathbf{WTF}	Santa Mariab	WVH	Nulato, Alaskac
\mathbf{WTG}	Santa Ritab	WVI	Petersburg, Alaskac
\mathbf{WTH}	Washtenawb	WVJ	Wrangell, Alaskac
WTI	Cataniab		
		WVK	
WTJ		WVL	Fort Frank, P. Ic
$\mathbf{W}\mathbf{T}\mathbf{K}$	J. A. Chanslorb	WVM	Fort Hughes, P. Ic
		WVN	Fort Mills, P. Ic
\mathbf{WTL}		wvo	Davao, P. Ic
$\mathbf{W}\mathbf{T}\mathbf{M}$	W. S. Porterb	WVP	Fort Drum, P. Ic
\mathbf{WTN}	Wm. F. Herrinb	WVQ	Fort Wm. McKinley, P. Ic
WTO	Frank H. Buckb	WVR	Fort Wint, P. Ic
\mathbf{WTP}	Scranton, Pac	wvs	Jolo, P. I
$\mathbf{W}\mathbf{T}\mathbf{Q}$	El Segundob	WVT	Malabang, P. Ic
WTR	Richmondb	WVU	Manila, P. I
$\mathbf{w}\mathbf{r}\mathbf{s}$	Col. E. L. Drakeb	WVV	Puerto Princesa, P. Ic
\mathbf{WTT}	Atlasb	wvw	Zamboanga, P. Ic
$\mathbf{W}\mathbf{T}\mathbf{U}$	S. O. Co. No. 91b	WVX	Cuyo, P. Ic
$\mathbf{W}\mathbf{T}\mathbf{V}$	Captain A. F. Lucasb	WVY	San Jose, P. I
WTW	Maverickb		1
WTX	Asuncionb	WVZ	
$\overline{\mathbf{W}}\mathbf{T}\mathbf{Y}$	8. O. Co. No. 93b	WWA	Chinab
WTZ	8. O. Co. No. 95b	WWB	Beaverb
WUA.	Fort Andrews, Mass	117117	
WUB	Fort Hancock, N. Jc	wwc	
WUC	Fort H. G. Wright, N. Yc	WWD	Bearb
WUD	Fort Leavenworth, Kansc	WWE	Manchuriab
WUE	Fort Levett, Mec	WWF	City of Parab
WUF	Fort Monroe, Vac	WWG	City of Sydneyb
WUG	Fort Monroe, Vac	WWH	Newportb
WUH	Fort Omaha, Nebr	WWI	Pennsylvaniab
WUI	Fort Riley, Kans	WWJ WWK	Perub
WUJ	Fort Sam Houston, Texc		Koreab
WUK	Fort Stevens, Oregc Fort Totten, N. Yc	WWL	San Jose b
WUL	Fort Totten, N. I	WWM	San Juanb
WUM	Fort Wood, N. Yc	WWN	Mongoliab
WUN	Fort Worden, Wash	WW	
WUO	Fort Winfield Scott, Calc	WWO	City of Panama h
WUP	Washington, D. C	WWP	City of Panamab Aztecb
$\mathbf{W}\mathbf{U}\mathbf{Q}$	wasnington, D. Cc	WWQ WWR	Rose Cityb
WUR		wws	Kansas Cityb
WUS		wwr	
WUT		wwu	Siberiab
WUU WUV	Fort Leavenworth, Kansc	wwv	
wuw	Fort Terry, N. Y	www	1

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Station.	Call signal.	Station.
wwx		WYU	
WWY		WYV	
WWZ WXA	Bufordb	WYW	
WXB WXC	Crook. b Dix. b	WYX	· ·
WXD WXE	Kilpatrick. b Liscum. b	WYY	
WXF WXG	Loganb Meadeb	WYZ	
WXH WXI	McClellanb Merrittb	WZA	
WXJ WXK	Sheridanb Shermanb	WZB	
$f WXL \ WXM$	Sumnerb Thomasb	wzc	
WXN	Warrenb	WZD	
WXO WXP		WZE	
wxq		WZF WZG WZH	Fort De Russey, Hawaiic Fort Shafter, Hawaiic
WXR WXS	Burnsideb	WZI	
WXT WXU	Joseph Henryb Navesinkb	WZJ	
wxv		WZK	
wxw		WZL	
WXX		WZM	
WXY WXZ		WZN	
WYA WYB	General Royal T. Frankb General S. N. Millsb	WZO	
$egin{array}{c} \mathbf{WYC} \\ \mathbf{WYD} \end{array}$	Major Samuel Ringgoldb General Henry T. Huntb	WZP	
$\begin{array}{c} \mathbf{WYE} \\ \mathbf{WYF} \end{array}$	General Henry Knoxb General E. O. C. Ordb	WZQ	
WYG WYH	General Robert Andersonb	WZR	
WYI WYJ	Captain Chas. W. Rowellb General A. M. Randolb	WZS	
WYK WYL	General Harvey Brownb General R. B. Avresb	WZT	
WYM WYN	Captain James Fornanceb. Renob	WZU WZV	
WYO WYP	Major Evan Thomasb Captain Barrettb	WZW	
WYQ		WZX	
WYR		WZY	
WYS WYT	Captain A. M. Wetherillb	WZZ	

SPECIAL STATIONS, GROUPED BY DISTRICTS.

		1	1
	FIRST DISTRICT.		FIFTH DISTRICT.
1XA 1XB 1XC	Amesbury, Mass. Boston, Mass. Chelsea, Mass.	5XC 5 ZD	Memphis, Tenn. Memphis, Tenn.
iXG iXH	Pittsfield, Mass. Boston, Mass.		SIXTH DISTRICT.
1XI 1XP	Gloucester, Mass. Cambridge, Mass.	6XA 6XB	San Francisco, Cal. Berkeley, Cal.
1XW 1YH	Watchaug Pond, R. I. Cambridge, Mass.	6XC 6XH	Oakland, Cal. San Francisco, Cal.
1 Z O	New Bedford, Mass.	6XL 6XR	Los Angeles, Cal. Berkeley, Cal.
	SECOND DISTRICT.	6XS 6XT	Alameda, Cal. Oakland, Cal.
2XD 2XH	Slingerlands, N. Y. New York, N. Y.	6YE 6YL	Oakland, Cal. Los Angeles, Cal.
2XM	Columbia University, New York, N. Y.	6YS	San Diego, Cal.
2XN 2XT	New York, N. Y. Steamship "Tyler."		EIGHTH DISTRICT.
${}^{2} m XW$	Summit, N. J. Nutley, N. J.	8XA 8YD	Ann Arbor, Mich. Detroit, Mich.
	THIRD DISTRICT.		NINTH DISTRICT.
3XB 3XC 3XJ 3XR 3ZD 3ZF 3ZH 3ZR 3ZR	Takoma Park, Md. Philadelphia, Pa. Philadelphia, Pa. Hyattsville, Md. Riverdale, Md. Friendship Heights, D. C. Washington, D. C Quarantine, Md. St. Davids, Pa.	9XB 9XD 9XH 9YC 9YI 9YN 9ZE	Beloit, Wis. Valparaiso, Ind. Kansas City, Mo. St. Louis, Mo. Ames, Iowa. Grand Forks, N. Dak. Minneapolis, Minn.
	FOURTH DISTRICT.		
4XA 4XG 4XL 4YC	Key West, Fla. Atlanta, Ga. Savannah, Ga. Charleston, S. C.		

PART II.

AMATEUR RADIO STATIONS.

FIRST DISTRICT.

[Headquarters: Customhouse, barge office, Long Wharf, Boston, Mass. The first district comprises the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.]

ALPHABETICALLY BY OWNERS OF STATIONS.

Callsignal.	Owner of station.	Location of station.	Power.
100		and the second s	Watts.
1TC	Aerogram Club of New- port.	16 John St., Newport, R. I	350
1HL	Affel, Herman A	45 St. Botolph St., Boston, Mass	100
1GM	Allen, J. Wyman	236 Hale St., Beverly, Mass	250
1HA	Allison, William H	37 Plantation St., Worcester, Mass	500
1KJ	Anderson, Arvid E	Shore St., Falmouth, Mass	10
1HT	Anderson, James H	132 White St., Belmont, Mass	100
1NA	Andonegui, Lane	1010 Mass. Ave., Cambridge, Mass	250
1ME	Angell, Otis P	20 Trowbridge St., Cambridge, Mass	500
1MA	Anthony, Harvey M	Harvard University, Cambridge, Mass	250
1KQ	Armstrong, James B	15 Bradford Rd., Newton Highlands, Mass.	5
1UJ	Ashworth, Harry	34 Heath St., Providence, R. I	100
1CO	Atkins, Harry C	57 Pine St., Franklin, N. H	10
10Z	Baer, Louis F	3 Washburn St., East Weymouth, Mass	10
1WE	Baldwin, James P	66 Forest St., New Britain, Conn	25
1VK	Barnes, Howard M	12 Hawkins St., New Britain, Conn	25
1IT	Barnes, Irving T	377 Main St., Waltham, Mass	10
1WB	Barnum, Roland B	250 Sherman Ave., New Haven, Conn	50
1WJ	Barrett, John H	64 Lafayette Pl., Greenwich, Conn	10
1UQ	Barth, Karl E	229 Washington Ave., Providence, R. I	1,00
1KX	Batcheller, Arthur	199 Sherley Ave., Revere, Mass	150
1IY	Baxter, Horace M	160 Foster St., Brighton, Mass	10
1MC	Baylies, Milton A	111 Grinnell St., New Bedford, Mass	50
1TR	Bazinet, Wilfred J	1667 Westminster St., Providence, R. I	25
1CZ	Bean, Harold W	82 S. Main St., Penacook, N. H	1,00
1PB	Bean, John E., jr	Church St., Merrimac, Mass	6
1PA	Beckman, Carl W	243 Arnold St., New Bedford, Mass	25
1NF	Beecher, George E	416 Allen St., Springfield, Mass	10
1VL	Belknap, Edward L	91 Vine St., Hartford, Conn	10
1ND	Bellis, Clifford B	9 Brown St., Waltham, Mass	20
1HY	Bennett, Lawrence S	2 Lawrence St., Everett, Mass	50
1IE	Bennett, William F., jr	24 Spring St., Somerville, Mass	10
1KT	Benoit, Walter R	73 Independent St., New Bedford, Mass	10
1GU	Bernardin, Leo A	456 Haverhill St., Lawrence, Mass	75
1LF	Beverly High School	16 Essex St., Beverly, Mass	50
1GH	Bibber, Harold W	31 Beacon St., Gloucester, Mass	1,00
1UL	Bigelow, Clinton A	96 Whittier Ave., Providence, R. I	100
1UG	Bigelow, Fred C	123 Chapel St., Saylesville, R. I	1,000
1KY	Bishop, Leon W	18 Irving St., Boston, Mass	40
1QK	Black, William R	32 Jefferson St., Newton, Mass	50
1NB	Blanchard, Ralph N	73 Jenkins Ave., Whitman, Mass	100
1WV	Blanke, Donald C	Old Church Rd., Greenwich, Conn	25
1GB	Blount, Henry G	Hamilton, Mass	53
1LB	Blume, Carl T	8 Upham St., Revere, Mass	4
1KR	Borden, Howard G	710 Rock St., Fall River, Mass	500
1MB	Boudette, Clayton M	194 Elm St., Everett, Mass	500

Callsignal.	Owner of station.	Location of station.	Power
			Watts
1LC	Bowen, Arthur N	34 Apthorp St., Revere, Mass	25
iKU	Bowen, Earl H	459 Madison St., Fall River, Mass	25
1KO	Bowen, Harold C		25
	Powden, Harold C	168 Belmont Ave., Fall River, Mass	10
10R	Boyden, Laurance E Branigan, Hugh S. C	44 Cypress Pl., Brookline, Mass	
1TK	Branigan, Hugh S. C	310 Prairie Ave., Providence, R. I	10
1PN	Briggs, Ralph E	100 West St., Whitman, Mass	25
1HQ	Broadley, Harry R Brown, Ölin C	44 Wenham St., Boston, Mass	4
1AI	Brown, Olin C	23 Ledgelawn Ave., Bar Harbor, Me	1,00
1AB	Brown, Philip T	36 Taylor St., Portland, Me	50
1JN	Bruce, Arthur O Bruce, Edmond	30 York St., Cambridge, Mass	50
1QE	Bruce, Edmond	1010 Massachusetts Ave., Cambridge, Mass	25
1UX	Budlong, Clifton O	Cranston, R. I	10
1WA	Bueb, John J., jr	12 Maher Ave., Greenwich, Conn	10
1WS	Buffett, Salathiel	Quarry Ave Saybrook Conn	10
1MJ	Burdett, Roland E	559 Main St., Wakefield, Mass. 62 Fruit St., Worcester, Mass.	1,00
1HB	Burgess, Warren B	62 Fruit St., Worcester, Mass	
1HI	Burgess, Warren B Burke, Alan W	40 Pollock Ave., Pittsfield, Mass	75
1GL	Bush, Arthur W	80 Tower Hill St., Lawrence, Mass	1,00
1AM	Butler, Guy W	239 Center St., Oldtown, Me	16
1MU	Butler, Guy W Byers, John R	154 Lowell Ave., Newtonville, Mass	20
1MV	Caldwell, George W	52 Cherry St., Lynn, Mass	50
1NU	Campbell Harold G	86 Kenwood St., Dorchester, Mass	10
1HD	Campbell, Harold G Canfield, Donald T	R. F. D., Westboro, Mass	10
1BO	Canty, William R	36 Lincoln Ave., Rutland, Vt	50
1JT	Carlson, Arthur G	19 Mechanic St., North Easton, Mass	50
1GC	Chadwick, Gilbert L	19 11th Ave., Haverhill, Mass	2
1CW	Chase, Robert McC	25 Russell St., Plymouth, N. H	79
1HC	Cheetham, Harry R	81 Avon St., Somerville, Mass	4
1JM	Cheaver Welter G	6 Aldersey St., Somerville, Mass	2
1IU	Cheever, Walter G Church, Arthur E	3 Wellington Ter., Brookline, Mass	2
110	Cladin Hamild M	160 College Ave. Westerville Mo	75
1AQ 1PT	Claffin, Harold M	160 College Ave., Waterville, Me	10
TITC	Clayton, Henry C	1422 Washington St., Canton, Mass	25
1HG	Cogswell, George R	18 Garden St., Cambridge, Mass	20
1NE	Coleman, Benj. B. B	193 Clapp St., Milton, Mass	
1WC	Coleman, William F	177 Wethersfield Ave., Hartford, Conn	10
1JD	Collins, Lovejoy	44 Carver Rd., Newton Highlands, Mass.	10
1IM	Conner, George W	72 Medford St., Malden, Mass	25
1CP	Conrad, Philip W	172 Elm St., Keene, N. H	28
108	Copland, H. Depew	42 Huron Ave., Cambridge, Mass	10
1BM	Copps, John L	138 S. Main St., Rutland, Vt	10
1LG	Corey, Frank J	41 Sycamore St., Somerville, Mass	16
1LE	Corney, Chester A	815 E. 4th St., South Boston, Mass	25
1VJ	Cowles, George R	181 Thomas St., West Haven, Conn	2
1UC	Creaser, Isaiah	641 Plainfield St., Providence, R. I 8 Elm Lawn St., Dorchester, Mass 173 Davis Ave., Brookline, Mass	1,00
1HP	Cromack, N. G. N	8 Elm Lawn St., Dorchester, Mass	10
1PW	Crosby, Carlton	173 Davis Ave., Brookline, Mass	:
1WP	Cummings, Edward H	Warwick, R. I	30
1NL	Curtis, Samuel, jr	3 Myrick St., Allston, Mass	1
1IK	Dallin, Edwin B	69 Oakland Ave., Arlington Heights, Mass	2
1JU	Dane, Francis W	Main St. Hamilton, Mass	5
1QZ	Danehy, Edward J	21 Sargent St., Cambridge, Mass	1
1GJ	Daniels, Richard M	25 Outlook Rd., Swampscott, Mass	50
1KD	David, Harold E	21-A Belchertown Rd. Amherst, Mass	10
1AX	Davies, Orel E	301 Main St., Rockland, Me	2
1WZ	Davis, Maurice E	217 Dover St., New Haven, Conn	
iIL	Dean, Samuel W	4 Eliot Rd., Lexington, Mass	1,00
iJP	Decker, Clarence	Housatonic, Mass	2
iJR	Delano, Edward C		5
1HK	Denison, Horace W	60 Garland St., Chelsea, Mass	5

54773°—14——б

Amateur Radio Stations—First District—Alphabetically by Owners of Stations—Continued.

Callsignal.	Owner of station.	Location of station.	Power.
	D: 1 W/W: D	70 T	Watts.
1LH	Dickson, William E	59 Hamden Circle, Quincy, Mass	250
1BC	Dimick, Leon R	4 Purchase St. Fact Carror Mass	100 100
IJA IUR	Dimond, Fred A., jr Doherty, James E	4 Purchase St., East Carver, Mass 22 Orms St., Providence, R. I	100
iud	Donle, Harold P	18 Observatory Ave., Providence, R. I	300
ilo	Donovan, Arthur B	49 Bigelow Ave., Rockland, Mass	250
iŭo	Dovle. John B	306 Thurber Ave., Providence, R. I	12
1PC	Drake, Ervin T., jr	40 Holyoke House, Cambridge, Mass	30
1HZ	Duncan, Harrie E	34 Foster St., Newtonville, Mass	500
1LI	Eales, Malcolm A. L	4 Chestnut Park, Melrose, Mass	250
1QG	Edmester, Earle C	23 Beacon St., Everett, Mass	250
1KL	Edson, Allan W	167 Pleasant St., Whitman, Mass	250
1WN	Edwin Bancroft Foote Boys' Club.	Chapel St., New Haven, Conn	1,000
INC	Ekwall, George O	"The Standish," Waltham, Mass	100
10F	Eldredge, Clarence R	41 Lawrence St., Wakefield, Mass	500
1AZ 1HR	Elkins, Ben T Elliott, Thomas H., jr	Robbins Rd., Belfast, Me	100 500
igo	Estey, F. Clifford	41 Brington Rd., Brookline, Mass	250
1ĂĴ	Fabbri, Alessandro	Eden St., Bar Harbor, Me	1,000
ijĊ	Fairbanks, Robert D	21 Carver Rd., Newton Highlands, Mass	1,000
1IJ	Fassitt, Andrew J., jr	27 Walden St., Cambridge, Mass	1,000
1PU	Fearing, Sumner E	36 Water St., East Weymouth, Mass	
1KZ	Fiske, John	114 Brattle St., Cambridge, Mass	50
1111	Fitch, Conover	321 Hammond St., Newton, Mass	500
1BA	Fitts, Harold W	2 Park St., Barre, Vt	100
10H 1TL	Flanders, Fred F	9 Norway St., Boston, Mass	275
iHN	Flint, Carl O Flood, J. Frank J	R. F. D. No. 1, Union, Me	550 250
10G	Florence William E ir	160 D St., South Boston, Mass	250
îPV	Florence, William E., jr. Folsom, Rolfe A	76 Rockland Ave., Malden, Mass.	75
1GF	Fowler, F. Malcolm	16 Shore Ave., Salem, Mass	500
1JK	Franke, Alfred A Fuller, Clarence C	15 Orchard St., Jamaica Plain, Mass	100
1IH	Fuller, Clarence C	50 High St., Mansfield, Mass	500
1JL	Gahm, Sebastian, jr	113 Sheridan St., Jamaica Plain, Mass	100
IHF	Gardner, Chester R	11 Spring Hill Ter., Somerville, Mass West Chelmsford, Mass	100
IGV 1NR	Gavill, Wilbur W	West Chelmslord, Mass	210
INQ	Gerrish, Kenneth B Getchell, Melvin D	170 Summer St., Malden, Mass	100 100
ivň	Green, Louis S	127 Monument St., West Medford, Mass 126 Central Ave., Waterbury, Conn	100
1GW	Haddock, Charles C	57 Lathrop St., Beverly, Mass	250
1TV	Hale, Edward E	92 Hallick Ave., Riverside, R. I	100
1NS	Hamilton, Edward P Hammett, Herbert M	69 Canton Ave., Milton, Mass	100
1HM	Hammett, Herbert M	4 Blue Hill Ave., Roxbury, Mass	500
1UH	Handy, William R	Lincoln, R. I.	100
1AW	Harden, Edward F Hardy, Wilbur H	South Brewer, Me	250
1GS	Hardy, Wilbur H	778 Hale St., Beverly Farms, Mass	250
1UA 1CY	Hargraves, Harold T	733 Cranston St., Providence, R. I	100
ivo	Haselton, Page S Haskell, Shirley D	R. F. D. No. 3, Hudson, N. H	100 250
ilk	Haskins, Frederic C	Main St., Essex, Conn	250
IAY	Hatch, James F	86 Elm St., Portland, Me	250
1MX	Hathaway, Francis R	Salem, Mass	250
1JE	Hathaway, Francis R Hayward, Edward E., jr.	4 Pembroke St., Newton, Mass	100
10T	Heap, Sheldon S	132 Atlantic St., Atlantic, Mass.	100
1UN	Henry, William E	162 Prairie Ave., Providence, R. I 48 Brush Hill Rd., Mattapan, Mass 7 Birch Hill Ave., Wakefield, Mass	500
1JY	Herland, John N	48 Brush Hill Kd., Mattapan, Mass	15
1MH 1OV	Herrick, Sumner E	7 Birch Hill Ave., Wakefield, Mass	250
1QV	Heyman, Harry	29 Sumner St., Hartford, Conn	100

Call signal.	Owner of station,	Location of station.	Power.
1		The Art and the Ar	Watts.
10C	Hill, Harold F	788 Massachusetts Ave., Cambridge, Mass.	12
10L	Hinman, George W	198 Russell St., Worcester, Mass	12
1PE	Hitchcock, Frederick J.	14 Burrough St., Danvers, Mass	100
1TF	Hodges, Duncan	Cloyne School, Newport, R. I	500
1AF	Hodgkins, Winfield C	54 Eagle Lake Rd., Bar Harbor, Me	100
1JQ	Hoffman, Frank E	33 High St., Springfield, Mass	250
1WY	Hoggson, Wallace	Maher Ave., Greenwich, Conn	500
1UZ	Homer, Arthur B	270 Blackstone Blvd., Providence, R. I	12
1TI	Horgan, T. Francis	239 Broadway, Newport, R. I	250
1VQ	Horsfall, George W		100
		Unionville, Conn	500
10J	Howard, Charles S	Townsend, Mass	500
1KC	Howe, Milton A	04 Cabaal St. Vacana N. H.	
1CR	Howe, Reginald	94 School St., Keene, N. H	100
1JH	Hubbard, Allen, jr	11 Montvale Crescent, Newton Center, Mass.	250
1WL	Hubbard, George F	267 Milbank Ave., Greenwich, Conn	250
1HJ	Hunt, Albert M	12 Madison Ave., Newtonville, Mass	100
1KV	Hurley, Albert V	16 Oakland Ave., Everett, Mass	250
1AG	Hutchins, Ray	Oak St., Springvale, Me	24
1GP	James, Albert W	36 Union St., Manchester, Mass	100
1NK	Jennings, Charles E., jr	28 Wrentham St., Dorchester, Mass	100
1VR	Jennings, John W	West Redding, Conn	100
1TP	Jensen, Leonard C	17 Mt. Vernon St., Providence, R. I	100
1PF	Jerauld, Dorrance G	Harwich, Mass	100
1UE	Jette, George E	161 Summer St., Central Falls, R. I	500
1TJ	Johnson, Alexander R	371 Sayles St., Providence, R. I	100
1PG	Johnson, David E	25 Glen St., Worcester, Mass	30
1MK	Johnson, Thurston A	123 Winthrop St., Winthrop, Mass	250
1PH	Jones, R. Warren	218 Pleasant St., Brockton, Mass	100
1KP	Justice, Francis C	148 Tremont St., Newton, Mass	100
1ID	Kehoe, Francis	41 Walnut St., Boston, Mass.	250
iIC	Keller, Adrian C	36 Grand View Ave., Medford, Mass	250
1AC	Kennedy Chester A	199 High St., South Portland, Me	250
	Kennedy, Chester A Kenison, Arthur C	45 Parker St., Lexington, Mass	1,000
10A 1NP		11 Morton St., Somerville, Mass.	1,000
	Kiley, John T	96 Browne St., Brookline, Mass	250
10B	Kilton, James A., jr	97 Prontegged Pd Aglington Maga	250
1LM	King, Alexander R	27 Brantwood Rd., Arlington, Mass	200
1LP	Knight, Hugh C	132 Melrose St., Melrose Highlands, Mass.	
1PI	Knight, Maurice E	3 Edwin St., Boston, Mass	30
1IN	Lamson, Horatio W	10 Oakland Ave., Arlington Heights, Mass.	500
1GD	Lane, Frederic A	7 Madison Ave., Gloucester, Mass	
1VC	Langevin, Carl C	44 Sumner St., Hartford, Conn	100
1JZ	Lanvuette, Kenneth H	21 Houston Ave., Milton, Mass	18 250
1AT	Lawford, Arthur H	292 Main St., Bar Harbor, Me	2012.43
1JI	Lawrence, Milford R	Main St., Falmouth, Mass	500
1IS	Leach, George F	513 Liberty St., Rockland, Mass	100
1HX	Leavitt, Elmer A	41 Forest Ave., Everett, Mass	500
1IP	Leland, Harold B	34 Irving St., Somerville, Mass	100
1NZ	Leutz, Charles R	34 Wyman St., Jamaica Plain, Mass	100
IVA	Lewis, George B	North Haven, Conn 44 Kidder Ave., West Somerville, Mass.	100
1IR	Lewis, Minott W	44 Kidder Ave., West Somerville, Mass	330
1MW	Linn, Harold W	107 Alden St., Whitman, Mass	250
1QY	Linsert, Henry	124 Goden St., Belmont, Mass	20
1UY	Lippitt, Gorton T	111 Benevolent St., Providence, R. I	200
1PK	Loheed, William J., jr	12 Clifton Ave., Campello, Mass	
1JW	Long, John J	32 London St., Somerville, Mass	100
1GT	Loomis, Arthur T	35 Graves Ave., Lynn, Mass	250
1JB	Lord, Howland C	40 Clyde St., Newtonville, Mass	100
1KI	Loring, Wilfred B	Plympton, Mass	178
1NY	Lovis, Donald B	26 Adelaide St., Jamaica Plain, Mass	100

Amateur Radio Stations—First District—Alphabetically by Owners of Stations—Continued.

Callsignal.	Owner of station.	Location of station.	Power.
			Watts.
1WU	Lucas, Orville	172 Washington St., Wallingford, Conn	100
1IQ	Luey, Donald	44 West St., Worcester, Mass	500
1NT	Lynch, John P	25 Speedwell St., Boston, Mass	10
1HE	Lynde, Kenneth R	20 Cloelia Ter., Newtonville, Mass	100
1ML	Lyon, William H	Maple St., East Lexington, Mass	1,000
10K	Mackenzie, Roy G	102 High St., Danvers, Mass.	600
1TN	Mahoney, Charles J	18 Pond Ave., Newport, R. I	100
1TG	Manchester, Arthur W	31 Newport Ave., Newport, R. I	100
1KG	Manning, Ralph K	232 Vine St., Everett, Mass	250
1TH 1NG	Manuel, Lloyd	106 2d St., Newport, R. I	500
ive	Marshall, Stanley	1 Hobart St., Danvers, Mass	250 500
iTM	Mascare, Fred A Mason, Lion G	15 Cassidy Park, Greenwich, Conn	500
inv	Mathews, Lloyd F	Halidon Hall, Newport, R. I	16
iwh	Maxim, Hiram P.	550 Prospect Ave., Hartford, Conn	375
inw	McDermott, Joseph H	Belmont, Mass.	200
ivm	McGuire William C.	76 Madison St., Hartford, Conn	100
1CM	McGuire, William C McLane, Henry R	342 Union Ave., Laconia, N. H	1.00
ivd	McPartland, Frank J	35 Holmes St., Orange, Conn	100
1WF	McSweeney, Lawrence P.	6 Wethersfield Ave., Hartford, Conn	100
1TQ	Medbery, Chester H	156 Hanover St., Providence, R. I	100
1KM	Meekin, William J	34 Custer St., Rockland, Mass	250
1QH	Melvin, Arthur W	R. F. D. No. 1, Chelmsford, Mass	250
1HO	Merrill, Clark B	3 Elm St., Dorchester, Mass	200
1MI	Merrill, Donald F	282 Buckminster Rd., Brookline, Mass	250
10D	Miller, Alden W	16 Chestnut St., Medford, Mass	20
1UM	Miller, Bernard H	38 Doyle Ave., Providence, R. I	250
1UV	Monahan, Edward M	1033 Eddy St., Providence, R. I	100
1WK	Moore, David L	Farmington, Conn	250
1GI	Morse, Harold E	108 Essex St., Swampscott, Mass	300
1LY	Moulton, Albert B	26 Monadnock Rd., Worcester, Mass	500
1HW 1LZ	Munroe, Henry W. T	38 Beacon St., Everett, Mass	500
1PX	Murphy, Dudley B Murphy, Harry J	176 Highland Ave., Winchester, Mass	1,00
ÎAÛ	Nach Arthur F	Florence, Mass	100 500
iQF	Nash, Arthur F Nash, Paul	64 Fairmont Ave., Newton, Mass	15
ičv	Nelson, Rufus L	16 Oak St., Northfield, N. H.	500
îTO	Newton, Raymond C	292 California Ave., Providence, R. I	25
îĹŇ	Newton Technical High	Newton, Mass.	250
	School.	210110011, 12400	
1UW	Nilson, Arthur R	11 Colfax St., Providence, R. I	100
1AP	Norton, Edward L	26 Grove St., Rockland, Me	750
1QL	Noyes, Russell	33 Washington Park, Newtonville, Mass	100
1QA	Nyquist, Norman A	107 Chestnut Ave., Jamaica Plain, Mass	100
1QJ	O'Brine, Daniel	152 Bridge St., Manchester, Mass	100
1IX	Ohlson, Olof	472 Crafts St., Newton, Mass	250
1MO	Ostrander, Freeman K.,jr	215 White St., Springfield, Mass	250
1PL	Oudin, C. Folger	Marblehead Neck, Mass	250
1CX	Parker, George H	Hudson, N. H.	100
liG	Patten, Ernest L. O	11 Holmes St., Malden, Mass	500
10M	Payson, Gilbert R., jr	545 Belmont St., Belmont, Mass	100
1UB 1MN	Pease, Reginald M Pennell, Leon	5 W. Park St., Providence, R. I	100
1KF		69 N. Main St., Brockton, Mass	330
iUF	Pennypacker, Thomas R. Perkins, Leonard M	Chatham, Mass	100 250
iLQ	Perry, Willard H	Thompsons Isld., Boston Harbor, Mass	250 250
ioe	Porter, Ralph H	7 Randal St., Salem, Mass	250 250
iwo	Post, Harold D.	131 Derby Ave., New Haven, Conn	100
ijs	Powers, Leonard S	431 Plymouth St., Carver, Mass.	100
ijĞ.	Pratt, Fearing.	120 Main St., Hingham, Mass.	

Call signal.	Owner of station.	Location of station.	Power.
Legiste .			Watts.
1AN	Pratt, Rhama W	Longfellow St., Westbrook, Me	250
1IO	Pratt, Walter	28 Summit St., Rockland, Mass	100
1QM	Proulx, George H	147 Pemberton St., Cambridge, Mass	100
1PY	Pulley, Lester A	33 Porter St., Melrose, Mass	500
1MP	Purssell, Clarence V	1257 Morton St., Dorchester, Mass	250
1PZ	Ranlett, Frederick J., ir.	351 Central St., Auburndale, Mass	100
1LR	Rawson, Homer E	83 Brattle St., Cambridge, Mass.	500
10N	Readio, George U	83 Brattle St., Cambridge, Mass	1,000
1CQ	Reed, Coleman C	672 Marlboro St., Keene, N. H.	100
1PO	Reed, Leslie S	61 Chestnut St. New Bedford Mass	100
1BD	Reed, Sherman A	61 Chestnut St., New Bedford, Mass 19 Dunbar St., Keene, N. H	500
1LA	Remington, Kenneth F.	747 High St., Fall River, Mass	500
1JV	Reuther, Henry R	15 Jewett St., Northampton, Mass	250
1AR		Cedar Ave., Bar Harbor, Me	250
1PR	Rich, Marion	1060 Savatora St. Fast Roston Mass	
	Richards, Fred J	1060 Saratoga St., East Boston, Mass	100
1KB	Richards, William T	15 Follen St., Cambridge, Mass	100
1IA	Richmond, Harold B	12 George St., Medford, Mass	250
1AS	Rocheleau, William H	71 Church St., Westbrook, Me	250
1WI	Rockefeller, Godfrey S	Lake Ave., Greenwich, Conn	500
1MR	Roddin, Thomas	17 Bartlett Rd., Waverly, Mass	250
1PQ	Roddin, Thomas	17 Bartlett Rd., Waverly, Mass	100
1LS	Runey, Leon C	49 Fairmont St., Belmont, Mass	250
1HV	Ryan, James A	13 Knowlton St., Somerville, Mass	100
10U	Ryer, Edwin D	29 Gorham Ave., Brookline, Mass	100
1MS	Sabin, G. C	29 S. East St., Amherst, Mass	1,000
1WX	Safranek, Jerry	28 South St., South Norwalk, Conn	15
1WT	Salzgeber, John W	W. Main St., Ivoryton, Conn	100
1TS	Sampson, Ross D	627 Elmwood Ave., Providence, R. I	365
1QB	Saunders, George B	52 Francis St., Boston, Mass.	100
1WR	Sawtelle, Donald F	122 Gilbert Ave., New Haven, Conn 952 Franklin St., Melrose Highlands, Mass.	100
1LT	Scott, Ralph A	952 Franklin St., Melrose Highlands, Mass.	250
1KS	Seabury, William H	1056 Beacon St., Brookline, Mass	250
1WQ	Seeley, Arthur P	55 Pearl St., New Haven, Conn	100
10P	Sharpe, Floyd H	260 Tinkham Ave., New Bedford, Mass	250
1HS	Shattuck, Herbert	1-A Lewis Pl., Roxbury, Mass	100
1BN	Shaw, Raymond H	10 E. Washington St., Rutland, Vt	100
1AB	Sherman, Calvin A	80 Camden St., Rockland, Me	20
1VI	Slawson, Spencer W	Brookside Drive, Greenwich, Conn	100
1AD	Smith, Edward S. C	58 South St., Biddeford, Me	100
1GN	Smith, Malcolm H	115 Prospect St., Gloucester, Mass	250
1JF	Snow, Albert E.	30 Cary Ave., Chelsea, Mass.	500
1GA	Snow, Harold C	41 Paradise Rd., Swampscott, Mass	
1JO	Snow William B		$\frac{250}{100}$
	Snow, William B	11 Devon Rd., Newton Center, Mass	
1IV	Snyder, William E Soules, Norman E	36 Monument Ave., Charlestown, Mass	100
1WM		244 Hickory St., Norwich, Conn	500
10V	Southwick, Francis B	176 Waban Ave., Waban, Mass	45
1QX	Spaulding, Ralph H Spear, G. Dana	14 Alberta Ter., Cambridge, Mass	100
1MY	Spear, G. Dana	32 Common St., Walpole, Mass	750
1A0	Sprague, Philip L	18 Brewer St., South Brewer, Me	250
1IZ	St. James, Robert T	38 Avery Lane, Great Barrington, Mass	1,000
1QI	St. James, Vincent	258 1st St., Pittsfield, Mass	550
10W	Stackhouse, Walter T	755 Winthrop Ave., Revere, Mass	100
1TU	Stackpole, Nelson B	725 Mineral Spring Ave., Pawtucket, R.I.	250
1GK	Stanley, Lyman R	52 Burrill St., Swampscott, Mass	500
1IB	Stanyan, Starr W	76 Boston Ave., West Medford, Mass	200
1NM	Starkweather, John B	17 Gibson Rd., Newtonville, Mass	75
1AE	Sterling, George E	28 Paine St., Springvale, Me	100
1KA	Stickney, H. E	25 Tufts Ave., Everett, Mass	15
10Q	Struthers, Francis W	Townsend, Mass	200
1AK	Tabbut, Arthur R		250

Call signal.	Owner of station.	Location of station.	Power
	, , , , , , , , , , , , , , , , , , , ,		Watts
10X	Tarr, Mellville S	45 Parker St., Chelsea, Mass	100
1LU	Taylor, Frank J	15 Orrin St., Cambridge, Mass	
1QD	Therrien, Arthur J	37 Barrett St., Lynn, Mass	
1US	Thorndike, Don C	303 Doric Ave., Cranston, R. I	100
1TD	Tilley, Henry H., jr	5 Dartmouth St., Newport, R. I	100
1UP	Trainor, Francis J	126 Summer St., Providence, R. I (Classical High School).	300
1LV	Tufte, J. Warren	11 Clarendon Ave., West Somerville, Mass.	250
1VG	Tucker, George W	East Granby, Conn	250
1UK	Tutin, Kenneth A	312 Blackstone St., Woonsocket, R. I	100
1WD	Tuska, Clarence D	136 Oakland Ter., Hartford, Conn	100
1MT	Tyler, Samuel F	28 Sargent St., Newton, Mass	
1HU	Upton, Harry E	18 Jackson Ave., Everett, Mass	
1LW	Van Brocklin, William S.	51 Oakland Rd., Brookline, Mass	
1NO	Varnum, George E	47 Decatur St., Charlestown, Mass	
1QC	Wadsworth, Arthur G	Eastham, Mass	
1VE	Walker, Alva S	69 Dearfield Drive, Greenwich, Conn	250
1AH	Ward, Donald G	14 Orchard St., Portland, Me	
1NX	Ward, Talbot	68 Oak St., Boston, Mass	
1TW	Watrous, Ralph C	20 Diman Pl., Providence, R. I	
1VP	Weimann, Alfred F	101 Cliff St., Shelton, Conn	
1GQ	Westbrook, Leon R	41 11th Ave., Haverhill, Mass	
1GĚ	Wheeler, Fred L	23 Mt. Vernon St., Cliftondale, Mass	
1MZ	White, Dallas E	Boston Rd., Billerica, Mass	
1BE	White, Earle B	R. F. D. No. 6, Belfast, Me	
1QW	White, Thomas C	53 Perkins Ave., Malden, Mass	
1PD	Whittier, Ellerton W	63 Terrace Ave., Winthrop, Mass	
īĪW	Wilde, Phillips B	Government St., Woods Hole, Mass	10
1KN	Wilkinson, John E	35 Malvey Ave., Fall River, Mass	
1PM	Wireless Society, Massa-	Stanhope St., and Trinity Pl., Boston,	50
	chusetts Institute of Technology.	Mass.	
1VW	Woodward, Raymond W.	14 Tremont St., Hartford, Conn	12
iPS	Zahn, Edward G	6 Atherton Pl., Roxbury, Mass	
1MD	Ziegler, Alfred A., jr	36 Greenough Ave., Jamaica Plain, Mass	
10Y	Zwinge, Conrad J	776 Winthrop Ave., Revere, Mass	25

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.
1AB 1AC 1AD 1AE 1AF 1AG 1AH 1AH	Brown, Philip T. Kennedy, Chester A. Smith, Edward S. C. Sterling, George E. Hodgkins, Winfield C. Hutchins, Ray. Ward, Donald G. Brown, Olin C. Fabbri, Alessandro.	1AR 1AS 1AT 1AU 1AV 1AW 1AX 1AY	Rich, Marion. Rocheleau, William H. Lawford, Arthur H. Nash, Arthur F. Sherman, Calvin A. Harden, Edward F. Davies, Orel E. Hatch, James F. Elkins, Ben T.
1AK 1AM 1AN 1AO 1AP 1AQ	Tabbut, Arthur R. Butler, Guy W. Pratt, Rhama W. Sprague, Philip L. Norton, Edward L. Claffin, Harold M.	1BA 1BC 1BD 1BE 1BM	Fitts, Harold W. Dimick, Leon R. Reed, Sherman A. White, Earle B. Copps, John L.

Amateur Radio Stations—First District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
1BN	Shaw, Raymond H.	1HY	Bennett, Lawrence S.
1B0	Canty, William R.	1HZ	Duncan, Harrie E.
1CM	McLane, Henry R.	1IA	Richmond, Harold B.
1CO	Atkins, Harry C.	1 <u>IB</u>	Stanyan, Starr W.
1CP	Conrad, Philip W.		Keller, Adrian C.
1CQ 1CR	Reed, Coleman C.	1ID	Kehoe, Francis.
	Howe, Reginald.	1IE	Bennett, William F., jr.
1CV 1CW	Nelson, Rufus L. Chase, Robert McC.	1IG 1IH	Patten, Ernest L. O. Fuller, Clarence C.
icx	Parker, George H.	iIJ	Fassitt, Andrew J., jr.
icy	Haselton, Page S.	iik	Dallin, Edwin B.
îčź	Bean, Harold W.	iIL	Dean, Samuel W.
	,	1IM	Conner, George W.
1GA	Snow Worold C	1IN	Lamson, Horatio W.
1GB	Snow, Harold C. Blount, Henry G.	1 <u>10</u>	Pratt, Walter.
iGC	Chadwick, Gilbert L.	1IP	Leland, Harold B.
iĞĎ	Lane, Frederic A.	1IQ	Lucy, Donald.
iğe	Wheeler, Fred L.	1IR	Lewis, Minot W.
1GF	Fowler, F. Malcolm.	11S 11T	Leach, George F. Barnes, Irving T.
1GH	Wheeler, Fred L. Fowler, F. Malcolm. Bibber, Harold.	iiΰ	Church, Arthur E.
1GI	Morse, narold E.	iΙν	Snyder, William E.
1GJ	Daniels, Richard M.	îÎŴ	Wilde, Phillips B.
1GK	Stanley, Lyman R.	1IX	Ohlson, Olof.
1GL	Bush, Arthur W.	1IY	Baxter, Horace M.
1GM 1GN	Allen, J. Wyman. Smith, Malcolm H.	1IZ	St. James, Robert T.
igo	Estey, F. Clifford.		.
1GP	James, Albert W.	1JA	Dimond, Fred A., jr.
ĨĞQ.	Westbrook, Leon R.	1JB 1JC	Lord, Howland C.
1GQ 1GS	Hardy, Wilbur H.	ijD	Fairbanks, Robert D. Collins, Lovejoy.
1GT	Loomis, Arthur T.	ije	Hayward, Edward E., jr.
1GU	Bernardin, Leo A.	ijF	Snow, Albert E.
1GV	Gavill, Wilbur W.	1JG	Pratt, Fearing.
1GW	Haddock, Charles C.	1JH	Hubbard, Allen, jr.
		1JI	Lawrence, Milford R.
1HA	Allison, William H.	1JK	Franke, Alfred A.
1HB	Burgess, Warren B.	1JL	Ganm, Sebastian, Jr.
1HC 1HD	Cheetham, Harry R.	1JM 1JN	Cheever, Walter G.
1HE	Canfield, Donald T. Lynde, Kenneth R.	ijo	Bruce, Arthur O. Snow, William B.
iHF	Gardner, Chester R.	iJP	Decker, Clarence.
îĦĠ	Cogswell, George R.	ijQ	Hoffman Frank E
1HI	Burke, Alan W.	1JŘ	Delano, Edward C.
1HJ	Hunt, Albert M.	1JS	Powers, Leonard S.
1HK	Denison, Horace W.	1JT	Carlson, Arthur G.
1HL	Affel, Herman A.	1JU	Dane, Francis W.
1HM	Hammett, Herbert M.	1JV	Reuther, Henry R.
1HN 1HO	Flood, J. Frank J.	1JW 1JY	Long, John J.
1HP	Merrill, Clark B.	ıJZ	Herland, John N. Lanvuette, Kenneth H.
1HQ	Cromack, N. G. N. Broadley, Harry R.	1021	Lan vuctos, Izennem II.
îHŘ	Broadley, Harry R. Elliott, Thomas H., jr.	1KA	Stickney, H. E.
iHS	Shattuck, Herbert.	1KB	Richards, William T.
1HT	Anderson, James H.	1KC	Howe, Milton A.
1HU	Upton, Harry E.	1KD	David, Harold E.
1HV	Ryan, James A.	1KF	Pennypacker, Thomas R.
1HW	Munroe, Henry W. T.	1KG	Manning, Ralph K.
1HX	Leavitt, Elmer A.	1KI	Loring, Wilfred B.

Amateur Radio Stations—First District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
1KJ	Anderson, Arvid E.	1MY	Spear, G. Dana.
iKL	Edson, Allan W.	1MZ	White, Dallas E.
1KM	Meekin, William J.		
1KN	Wilkinson, John E.	1NA	Andonegui, Lane.
îKÔ	Bowen, Harold C.	inb	Blanchard, Ralph N.
1KP	Justice, Francis C.	INC	Ekwall, George O.
1KQ	Armstrong, James B.	ÎND	Bellis, Clifford B.
1KŘ	Borden, Howard G.	INE	Coleman, Benjamin B. B.
1KS	Seabury, William H.	INF	Beecher, George E.
1KT	Benoit, Walter R.	ING	Marshall, Stanley.
1KU	Seabury, William H. Benoit, Walter R. Bowen, Earl H.	1NK	Jennings, Charles E., jr.
1KV	Hurley, Albert V.	INL	Curtis, Samuel, jr.
1KX	Batcheller, Arthur.	1NM	Starkweather, John B.
1KY	Bishop, Leon W.	1NO	Varnum, George E.
1KZ	Fiske, John.	1NP	Kiley, John T.
		1NQ	Getchell, Melvin D.
1LA	Remington, Kenneth F.	1NR	Gerrish, Kenneth B.
1LB	Blume, Carl T.	1NS	Hamilton, Edward P.
1LC	Bowen, Arthur N.	1NT	Lynch, John P.
1LE	Corney, Chester A.	1NU	Campbell, Harold G.
1LF	Beverly High School.	1NV	Mathews, Lloyd F.
1LG	Corey, Frank J.	1NW	McDermott, Joseph H.
1LH	Dickson, William E.	1NX	Ward, Talbot.
1LI	Eales, Malcolm A. L.	1NY	Lovis, Donald B.
	Fitch, Conover.	l INZ	Leutz, Charles R.
1LK	Haskins, Frederic C.	104	Vanisan Ambus O
1LM 1LN	King, Alexander R.	10A 10B	Kenison, Arthur C.
iLO	Newton Technical High School.	10C	Kilton, James A., jr. Hill, Harold F.
iLP	Donovan, Arthur B. Knight, Hugh C.	iod	Miller, Alden W.
iLQ	Perry, Willard H.	IOE	Porter, Ralph H.
îĽŘ	Rawson, Homer E.	iof	Eldredge, Clarence R.
iLS	Runey, Leon C.	iŏĠ	Florence, William E., ir.
īLŤ	Scott, Ralph A.	10H	Florence, William E., jr. Flanders, Fred F.
1LU	Taylor, Frank J.	10 J	Howard, Charles S.
1LV	Tufts, J. Warren.	10K	Mackenzie, Roy G.
1LW	Van Brocklin, William S.	10L	Hinman, George W.
1LY	Moulton, Albert B.	10M	Payson, Gilbert R., jr.
1LZ	Murphy, Dudley B.	10N	Readio, George U.
		10P	Sharpe, Floyd H.
1MA	Anthony, Harvey M.	10Q	Struthers, Francis W.
1MB	Boudette, Clayton M.	10R	Boyden, Laurance E.
1MC	Baylies, Milton A.	108	Copland, H. Depew.
1MD	Ziegler, Alfred A., jr.	10T	Heap, Sheldon S.
1ME	Angell, Otis P.	100	Ryer, Edwin D.
1MH 1MI	Herrick, Sumner E.	10V 10W	Southwick, Francis B. Stackhouse, Walter T.
	Merrill, Donald F.	10W	
1MJ 1MK	Burdett, Roland E. Johnson, Thurston A.	10X	Tarr, Melville S. Zwinge, Conrad J.
iML	Lyon, William H.	ioz	Baer, Louis F.
1MN	Pennell, Leon.	102	Dati, Louis 1.
1MO	Ostrander, Freeman K. ir	1PA	Beckman, Carl W.
1MP	Purssell, Clarence V.	iPB	Bean, John E., jr.
1MR	Ostrander, Freeman K., jr. Purssell, Clarence V. Roddin, Thomas.	iPC	Drake, Ervin T., jr.
iMS	Sabin, G. C.	ÎPĎ	Whittier, Ellerton W.
1MT	Tyler, Samuel F.	1PE	Hitchcock, Frederick J.
1MŪ	Byers, John R.	iPF	Jerauld, Dorrance G.
1MV	Caldwell, George W.	1PG	Johnson, David E.
1MW	Linn, Harold W.	1PH	Jones, R. Warren.
1MX	Hathaway, Francis R.	1PI	Knight, Maurice E.
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AMATEUR RADIO STATIONS—FIRST DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
1PK	Loheed, William J., jr.	1UG	Bigelow, Fred C.
1PL	Oudin, C. Folger.	1UH	Handy, William R.
1PM	Wireless Society, Massachu-	1UJ	Ashworth, Harry.
	setts Institute of Technology.	1UK	Tutin, Kenneth A.
1PN	Briggs, Ralph E.	1UL	Bigelow, Clinton A.
1PO	Reed, Lesley S.	1UM	Miller, Bernard H.
1PQ	Rogers, Wallace B.	1UN	Henry, William E.
1PŘ	Richards, Fred J.	1UO	Doyle, John B.
1PS	Zahn, Edward G.	1UP	Trainor, Francis J.
1PT	Clayton, Henry C.	1UQ	Barth, Karl E.
1PU	Fearing, Sumner E.	1UR	Doherty, James E.
1PV	Folsom, Rolfe A.	ius	Thorndike, Don C.
1PW	Crosby, Carlton.	1UV	Monahan, Edward M.
1PX	Murphy, Harry J.	1UW	Nilson, Arthur R.
1PY 1PZ	Pulley, Lester A.	1UX 1UY	Budlong, Clifton O.
112	Ranlett, Frederick J., jr.	iŭż	Lippitt, Gorton T.
1QA	Nyquist, Norman A.	ĪVĀ	Homer, Arthur B. Lewis, George B.
1QB	Saunders, George B.	ivc	Langevin, Carl C.
1QC	Wadsworth, Arthur G.	ÎVĎ	McPartland, Frank J.
1QD	Therrien, Arthur J.	IVE	Walker, Alva S.
1QE	Bruce, Edmond.	1VF	Mascare, Fred A.
1QF	Nash, Paul F.	1VG	Tucker, George W.
1QG	Edmester, Earle C.	1VH	Hickmott, William J., jr.
1QH	Melvin, Arthur W.	1VI	Slawson, Spencer W.
1QI	St. James, Vincent. O'Brine, Daniel.	1VJ	Cowles, George R.
1QJ	Dlock William P	IVK	Barnes, Howard M.
1QK · 1QL	Black, William R. Noyes, Russell.	1VL	Belknap, Edward L.
1QM	Proulx, George H.	1VM	McGuire, William C.
$12\overline{V}$	Heyman, Harry.	1VN 1VO	Green, Louis S.
īŽW	White, Thomas C.	ivp	Haskell, Shirley G.
1QX	Spaulding, Ralph H.	ivQ	Weimann, Alfred F. Horsfall, George W.
1QY	Linsert, Henry.	īvŘ	Jennings, John W.
1QZ	Danehy, Edward J.	1VW	Woodward, Raymond W.
$1\overline{\text{TC}}$	Aerogram Club of Newport.	1WA	Bueb, John J., jr.
1TD	Tilley, Henry H., jr.	iwb	Barnum, Roland B.
1TF	Hodges, Duncan.	I iwc	Coleman, William F.
1TG	Manchester, Arthur W.	1WD	Tuska, Clarence D.
1TH	Manuel, Lloyd.	1WE	Baldwin, James P.
1TI	Horgan, T. Francis.	1WF	McSweeney, Lawrence P.
1 TJ 1TK	Johnson, Alexander R. Branigan, Hugh S. C.	1WH	Maxim, Hiram P.
iTL	Flint, Carl O.	1WI	Rockefeller, Godfrey S.
îтм	Mason, Lion G.	1WJ	Barrett, John H.
1TN	Mahoney, Charles J.	1WK	Moore, David L.
îTÔ	Newton, Raymond C.	1WL	Hubbard, George F.
ĪTP	Jensen, Leonard C.	1WM	Soules, Norman E.
1TQ	Medbery, Chester H.	IWN	Edwin Bancroft Foote Boys'
1TŘ	Bazinet, Wilfred J.	1WO	Club.
1TS	Sampson, Ross D.	1WP	Post, Harold D.
1TU	Stackpole, Nelson B.	iwq	Cummings, Edward H.
1TV	Hale, Edward E.	1WR	Seeley, Arthur P. Sawtelle, Donald F.
1TW	Watrous, Ralph C.	iws	Buffett, Salathiel.
1UA	Hargraves, Harold T.	1WT	Salzgeber, John W.
1UB•	Pease, Reginald M.	īwu	Lucas, Orville W.
iŭc	Creaser, Isaiah.	1WV	Blanke, Donald C.
iud	Donle, Harold P.	1WX	Safranek, Jerry.
ĨŬĔ	Jette, George E.	1WY	Hoggson, Wallace,
1UF	Perkins, Leonard M.	1WZ	Davis, Maurice E.

SECOND DISTRICT.

[Headquarters: Customhouse, New York, N. Y. The second district comprises the States of New York (county of New York, Staten Island, Long Island, and counties on the Hudson River to and including Schenectady, Albany, and Rensselaer) and New Jersey (counties of Bergen, Passaic, Essex, Union, Middlesex, Monmouth, Hudson, and Ocean).]

ALPHABETICALLY BY OWNERS OF STATIONS.

Callsignal.	Owner of station.	Location of station.	Power.
			Watts.
2TQ	Adams, E. William, jr	392 Franklin St., Bloomfield, N. J	12
2LX	Adelphi College	St. James and Clifton Pl., Brooklyn, N. Y.	500
2NA	Adickes, Ernest D	173 W. Ridgewood St., Ridgewood, N.J	770
2VQ	Agnoli, Justus J	16 Purvis St., Long Island City, N. Y	36
2VG	Ahrens, Harry E	794 Gravesend Ave Brooklyn N V	250
2US	Allstrom, F. Condit	794 Gravesend Ave., Brooklyn, N. Y 46 Chestnut St., East Orange, N. J	9
2WI		252 Worksunton Ave. Venkens N. V.	
	Anderson, Robert N	353 Warburton Ave., Yonkers, N. Y	30
2MM	Apgar, Charles E	549 Carleton Rd., Westfield, N. J.	450
2UR	Arany, Leo	973 Simpson St., New York, N. Y 428 Park Hill Ave., Yonkers, N. Y	500
2ME	Archibald, John O	428 Park Hill Ave., Yonkers, N. Y	440
2MR	Atwater, Frank G., jr	1562 E. 15th St., Brooklyn, N. Y	50
2CI	Austin, Edward	576 Pavonia Ave., Jersey City, N. J	30
2NY	Austrian, Ralph B	49 St. Nicholas Ter., New York, N. Y	450
2RW	Baily, Hobart W	Summer St., Harrison, N. Y	220
2UL	Baker, Alvah L	153 Manhattan Ave., New York, N. Y	250
2LU	Baker, William N	881 Montgomery St., Jersey City, N. J	20
2TG	Balfoort, John M	4 Regent St. Schenectedy N V	650
2GM	Ballard, J. Adams	4 Regent St., Schenectady, N. Y	24
2BD	Banta, Theodore C	76 Walnut St., Ridgewood, N. J	
		770 let Ave. Homes Trees N. V.	16
2SN	Barnes, C. Everett	778 1st Ave., Upper Troy, N. Y	50
2WO	Barone, Salvatore A	343 E. 76th St., New York, N. Y	140
2BT	Barrett's School of Telegraphy.	527 Cortlandt Ave., New York, N. Y	624
2PC	Barriette, Samuel L	1483 Bedford Ave., Brooklyn, N. Y	60
2GB	Bartlett, Bernard W	545 Westfield Ave., Westfield, N. J	500
2LF	Bartlett, Charles H	774 Jefferson Ave., Brooklyn, N. Y	12
2VP	Bartsch, Henry W	130 Cedar St., Kingston, N. Y	15
2CJ	Bathgate, Walter E	102 High St., Passaic, N. J	60
2EJ	Bechtlofft, Claude B	106 Walnut St., Ridgewood, N. J	500
2KJ	Beebe, Lloyd S	1143 Albany St., Schenectady, N. Y	225
2MV	Bell, Arthur E	92 Elizabeth St., West New Brighton, N.Y.	32
2WN	Beller William A G	522 Frank St. Problem N V	
	Beller, William A. G	588 Essex St., Brooklyn, N. Y	50
2LQ	Belt, Charles B	145 W. 57th St., New York, N. Y	100
2LL	Benedict, Alonzo R	Newburgh, N. Y 165 Woodmere Pl., Richmond Hill, N. Y	48
2TE	Bentzig, Victor H	165 Woodmere Pl., Richmond Hill, N. Y	20
2FU	Benzing, Herman	619 Fulton St., Elizabeth, N. J	30
2TO	Benzing, Jacob	625 Fulton St., Elizabeth, N. J	20
2PN	Berger, H. C. V. B	33 Pennington Ave., Passaic, N. J	36
2NU	Berglund, Edward A	484 45th St., Brooklyn, N. Y	16
2QS	Bernard, James L	1312 Ditmas Ave., Brooklyn, N. Y	8
2MS	Berri, Herbert	497 E. 17th St., Brooklyn, N. Y	500
2LB	Bertine, Edwin K	57 S. 2d Ave., Mt. Vernon, N. Y	220
2UK	Biggam, Henry C	53 W. 94th St., New York, N. Y	10
2QW	Birkmire, Harold	2190 Loring Pl New York N V	624
2FT	Bishop, Mortimer Z	2190 Loring Pl., New York, N. Y 568 W. 149th St., New York, N. Y	550
2PH	Blackburn, Godfrey C	146 Newburgh Ave., Fishkill-on-Hudson,	200
2QB	Blackford, Harold W	N. Y. 237 E. 2d St., Plainfield, N. J	250
2CR	Blauvelt, William M	198 Main St. Nyack N V	340
2SP		198 Main St., Nyack, N. Y	
	Bleilevens, Gerhardt	318 33d St., Woodcliff on Hudson, N. J	500
2GI	Bockelmann, Charles F	1679 42d St., Brooklyn, N. Y	10
2JD	Boeder, Arthur R	3443 Duncomb Ave., New York, N. Y	1,000
2PY	Bogardus, Henry L	427 Bergen Ave., Jersey City, N. J	250
2TP	Bohn, William	427 Bergen Ave., Jersey City, N. J 1515 2d Ave., New York, N. Y	12
2VL	Bond, Arthur M	274 2d Ave., Newark, N. J	35

Callsignal.	Owner of station.	Location of station.	Power.
400			Watts.
2UG 2UH	Bonduaux, Eugene L Boys' Wireless Club of Hackensack High	822 Hewitt Pl., New York, N. Y	500 90
2UD	School. Brainard, Edward S	400 W. Franklin Ave., Ridgewood, N. J	1,000
2JH	Brown, David S., jr	206 W. 86th St., New York, N. Y	500
2VM	Brown, Philip T	1808 Grand Concourse, New York, N. Y	500
2KD	Browne, Walram S	1565 E. 12th St., Brooklyn, N. Y	1,000
2VD	Bruell, Joseph P	69 S. Lexington Ave., White Plains, N. Y.	880
2AU	Bryan, Chester W	79 Elm St., Montclair, N. J. 6 S. Highland Ave., Nyack, N. Y	32
2AF	Bryant, Marquis V	6 S. Highland Ave., Nyack, N. Y	580
2MH	Buchanan, William F	128 Market St., Perth Amboy, N. J	24
2NN	Buck, David E	42 Grant Ave., Kearney, N. J.	30
2CT	Bunn, Milo B	110 Rockland Ave., Yonkers, N. Y. 20 Chestnut St., Ridgewood, N. J. 1415 55th St., Brooklyn, N. Y.	250
2NL 2HK	Burnett, Walter J Burrows, Henry P	1415 55th St. Brooklyn N. V.	$\frac{100}{24}$
2WK	Caggiano, Carmine J	245 Pacific St., Brooklyn, N. Y	12
2RL	Camp, Victor F	Plymouth Ave., Brightwaters, N. Y	1,000
2ES	Campbell, Robert, jr	117 Marshall St., Elizabeth, N. J.	180
2SX	Cannon, George C	117 Marshall St., Elizabeth, N. J. 183 Drake Ave., New Rochelle, N. Y	1,000
2RD	Carey, Stephen W., 3d	Luddington Rd., West Orange, N. J	72
2PA	Carman, Newton I	218 Church St., Hempstead, N. Y	880
2TS	Carpenter, Ferris G	57 Cedar St., Ridgefield Park, N. J	24
2MN	Carrougher, Vivian A	805 Ocean Ave., Brooklyn, N. Y	3
2QK	Caskey, Kenneth B	415 Fort Washington Ave., New York, N. Y.	250
2HR	Chandler, Arthur C	2141 Pacific St., Brooklyn, N. Y	200
2VN	Charles, Chester A	629 Springdale Ave., East Orange, N. J	40
2FE	Cheel, Harold W	35 Corsa Ter., Ridgewood, N. J	495
2DS	Clark, Le Roy	Chestnut St., Englewood, N. J	880
2FO	Clark, William C	91 4th Ave., Brooklyn, N. Y	500
2SV	Clarke, Frederick D	558 W. 165th St., New York, N. 1	250
2IJ	Cochran, Alexander	256 Sterling Pl., Brooklyn, N. Y	25
2OG $2LO$	Cockaday, Lawrence M.	1109 St. Johns Dl. Brooklyn N. V.	$\frac{250}{24}$
2PS	Coffin, Russell S Cohen, Samuel	1102 St. Johns Pl., Brooklyn, N. Y	24
20S	Cohen, Walter	242 Hinsdale St., Brooklyn, N. Y. 2071 5th Ave., New York, N. Y. 22 Cedar St., Yonkers, N. Y. 65 Cherry St., West Orange, N. J. 172 Maple St., Brooklyn, N. Y.	440
2TZ	Collins, Frank J	22 Cedar St. Yonkers N. Y.	40
2RT	Collinson, Jesse G	65 Cherry St., West Orange, N. J.	24
2KN	Collinson, Jesse G Collison, Percy B	172 Maple St., Brooklyn, N. Y	500
2TM	Collymore, Errold D	1 ZZI W. DOO DL. NEW LOLK, IV. I	30
2SC	Constant, S. Victor Cooper, Telfer C	Hillside Drive Yonkers N Y	12
2DR	Cooper, Telfer C	260 Garfield Ave., Jersey City, N. J 240 Audubon Ave., New York, N. Y	440
2HF	Coote, Charles W	240 Audubon Ave., New York, N. Y	250
2SD	Copersito, Michael	942 Atlantic Ave., Brooklyn, N. Y 51 Berkeley Ave., Newark, N. J	36
2AQ	Corson, David N	51 Berkeley Ave., Newark, N. J	300
$^{ m 2LD}_{ m 2VK}$	Covert James D	68 Oakland Ave., Jersey City, N. J	24 300
2RI	Covert, James D Cowper, Norman C	40 Glenwood Rd., Upper Montclair, N. J. Merrick Rd., Lynbrook, N. Y	1,000
2MW	Crichton, Arthur M	139 Washington Ave., Rutherford, N. J	1,000
2EM	Crosby, Roy C	211 W. 148th St., New York, N. Y.	30
2DN	Crosby, Roy C Cullen, Edward R	211 W. 148th St., New York, N. Y 626 45th St., Brooklyn, N. Y 219 E. 71st St., New York, N. Y	54
2DI	Cyriax, Ernest A	219 E. 71st St., New York, N. Y	30
2GG	Dahlgren, Birger A	1652 41st St., Brooklyn, N. Y	18
2AD	Dammers, Albert	1652 41st St., Brooklyn, N. Y	1,000
2QH	Davies, Richard J., jr	334 4th St. Union Hill N. J.	1,000
2KK	Day, Howard B	555 Mountain Ave., Westfield, N. J	1,000
2OD	Debuchy, Edmund A	591a Summit Ave., West Hoboken, N.J	15
2VS	Decker, Ralph W. E	7 Odell Ave., White Plains, N. Y	1,00

Amateur Radio Stations—Second District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
2JX	De Cortin, Gustav A	16 Elm St., Mt. Vernon, N. Y	30
2HH	Dederick H C	46 N. 5th St., Hudson, N. Y	72
2TL	de Forest, Edward L., jr. De Long, Oscar A., jr De Yoe, Willard L	Hilton Ave., Garden City, N. Y	30
$2S\overline{Y}$	De Long Oscar A. ir	160 N. Mountain Ave., Montclair, N. J	50
2ÃS	De Yoe Willard L	689 Broadway St., Paterson, N. J	250
2UT	Dick, Benjamin S	Mt. Pleasant Academy, Ossining, N. Y	75
2TC	Dickenson, Henry E	73 Greenridge Ave., White Plains, N. Y	330
2CN	Dickey, Edward T	1649 Amsterdam Ave., New York, N. Y	220
	Dickey, Edward 1	311 3d Ave., New York, N. Y	30
2VY	Diehl, John F	Ambau D.J. Tottonville, N. V.	30
2CQ	Dilg, A. Norman	Amboy Rd., Tottenville, N. Y. Babylon, N. Y. 132 S. Swan St., Albany, N. Y. 1309 Pugsley Ave., New York, N. Y.	
2UV	Dimmick, James N	Dadylon, N. I	12
2RO	Dodds, Andrew C	132 S. Swan St., Albany, N. 1	18
2EU	Droste, George T	1309 Pugsley Ave., New York, N. Y	210
20Z	Dufford, John S	DID D. ZULII DL., NEWALK, N. J	18
2IY	Dugan, Edward W	631 Jersey Ave., Jersey City, N. J	15
2TN	Dunham, Clarence L	631 Jersey Ave., Jersey City, N. J	300
2LM	Dunn, Laurence J	769 Dawson St., New York, N. Y	8
2QN	Dwyer, Martin J., jr	OOUU DIUMUWAY. NEW IUM. N. I	500
2PR	Dynner, Eugene	207 26th St., Guttenberg, N. J	550
2RG	Earle, William P., jr	Mamaroneck Rd., White Plains, N. Y	500
2AI	Eber, John G	5505 3d Ave., Brooklyn, N. Y	30
2QJ	Eckley, Harold J	Beechmont Pk., New Rochelle, N. Y	27
2QJ 2PG	Eckstein, William J	Beechmont Pk., New Rochelle, N. Y 35 W. 177th St., New York, N. Y	500
2JI	Eddy, Leonard E	295 Hackensack Rd., Ridgefield Park, N. J.	30
2AH	Edelman, Abraham	952 Liggett Ave., New York, N. Y	500
2KQ	Edwards, Harry M., jr	314 Ridgewood Ave., Glen Ridge, N. J	24
2LE	Egolf, Richard S	1052 41st St., Brooklyn, N. Y	30
2IQ	Elliott, Paul C	162 E. 66th St., New York, N. Y	250
2UB	Emory, John M. G	3d St., Garden City, N. Y	10
2VH	Engelder, Eberhardt E	234 Garden St., Hoboken, N. J	20
2ET	Engelder, Eberhardt E England, George B	917 St. Nicholas Ave., New York, N. Y	432
20C	Erasmus Hall High School.	234 Garden St., Hoboken, N. J	250
2UF	Evans, Arthur F	246 Emerson Pl., Brooklyn, N. Y	12
2PI	Evans, Clarence L	176 S. 11th St., Newark, N. J	1,000
2GX	Fallon, Harry A., jr	555 W. 148th St., New York, N. Y	48
2GD	Farquharson, John S	540 W. 158th St., New York, N. Y	280
2ÅK	Ferris, Howard E	540 W. 158th St., New York, N. Y 665 Franklin Ave., Nutley, N. J	24
288	Fitler, Eugene B., jr	40 W. 129th St., New York, N. Y	30
$\widetilde{2}\widetilde{\mathbf{D}}\widetilde{\mathbf{D}}$	Fitzgerald, Gordon P	611 W. 141st St., New York, N. Y	250
2AA	Flagg, John H	316 Lookout Ave., Hackensack, N. J	21
2VU	Flandreaux, Cyrus	1425 Park St., Peekskill, N. Y	800
2WB	Fogetti, Howard J	7421 Narrows Ave. New York N V	36
20I	Folks, Leslie E	7421 Narrows Ave., New York, N. Y 410 E. 155th St., New York, N. Y	24
2TB	Ford, Everett J	431 Bramhall Ave., Jersey City, N. J	12
		915 Winthron St. Brooklyn N. V.	18
2ÎR	Ford, Fullerton	215 Winthrop St., Brooklyn, N. Y Babylon, N. Y	20
	Foulke, J. Brion, jr	Dauyion, N. I	1 20
2WM	Fowler, Jack B	676 Lincoln Pl., Brooklyn, N. Y.	12
20B	Fox, Loyal S	4706 4th Ave., Brooklyn, N. Y	64
2KM	Francis, Charles E	1004 /UII OL., DIUUKIYII, N. I	18
2WS	Francis, Leo A	102 Maple Ave., Port Richmond, N. 1	30
2IZ	Fraser, Frank	352 Archer St., Freeport, N. Y	350
2VZ	Frederick, G. Bentley Freeland, Wilbur W	112 Mason St., Schenectady, N. Y 34 Baldwin Ave., Newark, N. J	300
2JN		34 Baldwin Ave., Newark, N. J	550
2VV	French, Edward	1216 Lincoln Ter., Peekskill, N. Y	16
2JF	Frey, Anthony C	1216 Lincoln Ter., Peekskill, N. Y 370 E. 153d St., New York, N. Y	. 8
2KE	Frey, George	[155 W. 80th St., New York, N. Y	36
2PE	T7L::4-1. T7:: T	939 College Ave., New York, N. Y	15

Amateur Radio Stations—Second District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
2VJ	Furman, Robert S	Park Ave., Bay Shore, N. Y	60
2GF	Gabrielson, Henry M	230 53d St., Brooklyn, N. Y	60
2QG	Gale, Rowland A	540 W. 158th St., New York, N. Y	156
2LT	Galvin, Lee R	193 Fairview Ave., Jersey City, N. J	18
2UP	Gannon, J. Kimball	517 Park St., Upper Montclair, N. J	30
2VR	Gassaway, Julian L	Bay 8th St. and Bath Ave., Brooklyn, N.Y	24
2VB	Gerlach, Adolph J	769 E. 218th St., Williams Bridge, N. Y	12
2DO	Gerrity, John J	538 Ocean Ave., Jersey City, N. J 38 Vreeland St., East Rutherford, N. J	330
2AY	Gittelbauer, Frederick	38 Vreeland St., East Rutherford, N. J	500
2TV	Glenn, George	251 E. 236th St., New York, N. Y	300
2JU	Goette, C. J	1256 Hatch Ave., Woodhaven, N. Y 4 Overlook Ave., Ridgewood, N. J	500
2UN	Graham, Malcolm		1,000
2PV	Grebe, Alfred H	10 Van Wyck Ave., Richmond Hill, N.Y	1,000
2BK	Green, Adoniram J	73 Paterson St., Paterson, N. J. 85 Clerk St., Jersey City, N. J.	60
2QQ	Green, Irving W	85 Clerk St., Jersey City, N. J	20
2LP	Green, Raymond J	1352 St. Nicholas Ave., New York, N. Y 3762 Barnes Ave., Williams Bridge, N. Y	18
2SR	Greenlees, William	3762 Barnes Ave., Williams Bridge, N. Y	1,000
2KL	Gregory, Arthur V	197 High St., Perth Amboy, N. J.	250
2BN 2AT	Griswold, Edmund J	R. F. D., Slingerlands, N. Y	30
2UH	Guild, Baldwin	Tackengack N T	30
2011	Hackensack High School (Boys' Wireless Club).	Hackensack, N. J	90
2HJ	Hadden, Weston	1716 Albermarle Rd., Brooklyn, N. Y	460
2AM	Haeselbarth, Percy	54 Catherine St., Nyack, N. Y.	36
2PB	Haight, Russell P	31 Overlook Ave., West Orange, N. J	200
2MA	Hallenbeck, Charles	959 55th St., Brooklyn, N. Y	24
	Hallett, E. Douglas	86 Prospect Pl., Rutherford, N. J	30
2UQ 2EV	Hallock, Charles S	Foot of 57th St., Brooklyn, N. Y	495
2PX	Hamilton, Albert G., ir	Beach Ave., Larchmont, N. Y	250
2EW	Hamilton, Joseph E	16 W. Broadway, Port Chester, N. Y 358 Willet Ave., Port Chester, N. Y	30
2FK	Hamilton, Ralph	358 Willet Ave., Port Chester, N. Y	30
20 <u>A</u>	Hammond, Lester	35 W. 61st St., New York, N. Y	24
2AE	Happe, William H	566 W. 162d St., New York, N. Y	108
2FQ	Hardwick, Ambrose H	224 Oakwood Ave., Orange, N. J	1,000
2FZ	Harris, Charles C	Elliott Pl., Freeport, N. Y	250
2AC	Hart, Gifford R	34 Douglas Rd., Glen Ridge, N. J	30
2FY	Hartman, Robert	371 Wadsworth Ave., New York, N. Y	250
2DV	Hathaway, Harry C. B Hatry, William B	20 Erie Pl., Nutley, N. J. 71 Orange St., Brooklyn, N. Y.	72
2SM	Hatry, William D	71 Orange St., Drooklyn, N. I	30
2BM 2MX	Heermance, Earle	523 State St., Hudson, N. Y	200
2FJ	Heffernan, William J Helwig, Herman F	105 Bay 10th St., Brooklyn, N. Y	15 250
2MU	Hengerer, Howard B	441 Fort Washington Ave., New York, N.Y.	50 50
	Heydon, Albert R	403 Decatur St., Brooklyn, N. Y	24
2UO	Heyer, Benjamin W	45 N. Fullerton Ave., Montclair, N. J	440
$\tilde{2}\tilde{\mathbf{D}}\tilde{\mathbf{G}}$	Higgs, Harry Y	30 Irving Pl., Brooklyn, N. Y	12
$\widetilde{\mathbf{2DK}}$	Hill, William S	332 Rector St., Perth Amboy, N. J	48
2NS	Hoffman, Paul J	1688 2d Ave., New York, N. Y	30
2RA	Hollman, Theodore	678 Marcy Ave., Brooklyn, N. Y	25
2NF	Homan, Eber J	678 Marcy Ave., Brooklyn, N. Y	30
2LY	Hoover, Raymond	171 Kidgewood Ave., Newark, N. J	250
2MF	Hoppock, Allen H	215 Clark St., Westfield, N. J	500
2RK	Horle, Lawrence C. F	142 Fairmount Ave., Newark, N. J	1,000
2NH	Horn, Charles W	Broadway, Far Rockaway, N. Y	250
2HU	Hotchkiss, Grosvenor	146 Halsey St., Brooklyn, N. Y	30
2II_	Howell, Walter J	135 Edgecombe Ave., New York, N. Y	60
2UE	Hoyt, William L	Hilton Ave., Garden City N. Y	_30
2GK	Hubbard, John W	327 King St., Port Chester, N. Y	550

Amateur Radio Stations—Second District—Alphabetically by Owners of Stations—Continued.

Callsignal	Owner of station.	Location of station.	Power.
			Watts.
2VA	Huested, William P	Delmar, N. Y	240
2EG	Hurd, John B	Delmar, N. Y Tilton Ave., Red Bank, N. J	250
2EF	Hurd, Theodore	Tilton Ave., Red Bank, N. J	24
2QT	Hynds, Arthur E	4920 6th Ave., Brooklyn, N. Y	16
2ŬJ	Hynds, Arthur E Innes, Richard C	343 W. 29th St., New York, N. Y	60
2GU	Inwright, John A	400-A Fairmount Ave., Jersey City, N. J.	9
2NQ 2EX	Isaacson, Charles B Jackson, Benjamin B	400-A Fairmount Ave., Jersey City, N. J. 48 W. 89th St., New York, N. Y	660
$2\mathbf{E}\mathbf{X}$	Jackson, Benjamin B	188 Montroes Ave., Rutherford, N. J	165
2EE	Jacobs, Charles F	279 Park Pl., Brooklyn, N. Y	40
2QY 2RR	Jacobson, Walter H Johnson, John A	172 Rector St., Perth Amboy, N. J. 1026 2d Ave., New York, N. Y.	12
2RR	Johnson, John A	1026 2d Ave., New York, N. Y	20
2VC	Johnson, Theophilus, jr.	17 3d St., Woodside, N. Y	48
2RV	Johnson, W. Eugene	17 3d St., Woodside, N. Y	20
280	Johnston, James E	1379 Clay Ave., New York, N. Y	50
20Y	Jones, Frank	181 Brunswick St., Newark, N. J	24
2AO	Jones, Robert O	237 Newark Ave., Bloomfield, N. J	32
2RU	Jordon, Fletcher Kahn, Walter A	Ryder Ave., Lynbrook, N. Y	25
2DC	Kann, waiter A	136 Stuyvesant Pl., New York, N. Y	24
2BC	Kaltenbach, Henry J., jr.	150 Alta Ave., Yonkers, N. Y	65
2VT 2WA	Kayser, Herbert Keers, John K	994 Clat Qt Problem N V	800 36
	Keller, George C	224 81st St., Brooklyn, N. Y	40
242	Kener, deorge O	mond, N. Y.	40
2BY	Keller, Julius F	36 Ocean Ave., Edgewater, N. Y	30
2ON	Kellow, James C	144 Liberty Ave., Jamaica, N. Y	550
2GH	Kelting, Clarence A King, Wendell W	144 Liberty Ave., Jamaica, N. Y	27
2QD	King, Wendell W	778 lst Ave., Upper Troy, N. Y	50
2QA	Kinney, E. M	212 Parkwood Blvd., Schenectady, N. Y.	200
2BL	Kirch, George, jr	984 75th St. Recolution N. V	24
2FI	Kirkpatrick, Louis W	317 6th Ave., Newark, N. J. 199 Lincoln Pl., Brooklyn, N. Y. 873 E. 162d St., New York, N. Y. 168 Willis Ave., New York, N. Y. 4279 Webster Ave., New York, N. Y.	12
2SZ	Kissick, Robert G	199 Lincoln Pl., Brooklyn, N. Y	50
2TW	Knight, Alexander H	873 E. 162d St., New York, N. Y	60
2VF	Koch, Edward	168 Willis Ave., New York, N. Y	20
2NP	Koenig, George F	4279 Webster Ave., New York, N. Y	250
2SF	Kollock, Alan S Koukol, Edwin P	4187 University II., Woodmaven, N. I	36
2QM	Koukoi, Edwin P	436 W. 23d St., New York, N. Y	28
2BR	Krech, Karl G	316 Godwin Ave., Midland Park, N. J	495
2SQ 2KA	Kreeft, Raymond A Kroener, Christian E	61 Cherry St., West Orange, N. J 115 Watchung Ave., Plainfield, N. J	30 270
	Lally, Joseph F.	16 Short St. Coartegrille N. I	30
2HX	Lane, David M	343 9th St. Jareau City N. J.	24
20H	Lang, Ernest	16 Short St., Coytesville, N. J. 343 9th St., Jersey City, N. J. 411 Spring St., West Hoboken, N. J.	30
2UC	Lange, William H	280 7th Ave. Brooklyn N Y	300
	Lasher, Charles E	280 7th Ave., Brooklyn, N. Y	24
2KR	Lebowitz, Samuel	270 Riverside Drive. New York. N. Y.	450
2TU	Lee, Robert J. B	1530 McCormick Ave., Ozone Park, N. Y.	550
2MT	Leeb, Henry L	166 Ralston Ave., South Orange, N. J	660
2NB	Le Gallez, Clayton B	974 Madison Ave., Albany, N. Y	385
2FL	Lehmann, August, jr	1520 56th St., Brooklyn, N. Y	35
2WG	Lemkie, Harry A	974 Madison Ave., Albany, N. Y	500
2IE	Lemmon, Walter S	319 W. 94th St., New Tork, N. I	420
2SI	Le Quesne, C. A., jr Liedecker, Morris	1 240 90th St. Brooklyn N Y	48
2CA	Liedecker, Morris	40 St. Nicholas Pl., New York, N. Y 501 W. 120th St., New York, N. Y	400
2PL	Lindsay, Daniel E	out w. 12uth St., New York, N. Y	36
2IV	Lindsay, Russell Littlefield, Charles E	1 39 N. Tota St., East Orange, N. J	30
20V	Littleneid, Charles E	2662 E. 24th St., Sheepshead Bay, N. Y. 445 E. 88th St., New York, N. Y.	12
2VI	Loub, Arthur F	1207 Union St. Recaller N V	48
2SA 2BZ	Lowitz, Donald J	1307 Union St., Brooklyn, N. Y	220 10
4DU	Lyman, C. Glenn	George and Cooper Sts., Babylon, N. Y	10

Amateur Radio Stations—Second District—Alphabetically by Owners of Stations—Continued.

2HO 2HT 2FW 2OM 2UA 2QE 2PP 2OX 2GL 2SG 2TD 2HP 2WR	Lyons, William B	Broad St., Bloomfield, N. J	Watts. 820 24 440 6 33 50
2HT 2FW 2OM 2UA 2QE 2PP 2OX 2GL 2SG 2TD 2HP	Macartney, George E MacPherson, Claude V Maher, Frank A Mann, Samuel Manley, Lee L Manvell, Edwin H Mardon, F. Herbert Marshall, Richard E	473 Prospect Pl., Brooklyn, N. Y. 557 W. 144th St., New York, N. Y. 207 E. 158th St., New York, N. Y. 120 W. 4th St., Plainfield, N. J. 788 Park Pl., Brooklyn, N. Y. 289 Evergreen Ave., Brooklyn, N. Y. 1309 West Farms Rd., New York, N. Y.	24 440 6 33 50
2FW 2OM 2UA 2QE 2PP 2OX 2GL 2SG 2TD 2HP	MacPherson, Claude V. Maher, Frank A. Mann, Samuel. Manley, Lee L. Manvell, Edwin H. Mardon, F. Herbert. Marshall, Richard E.	557 W. 144th St., New York, N. Y	440 6 33 50
20M 2UA 2QE 2PP 2OX 2GL 2SG 2TD 2HP	Maher, Frank A	289 Evergreen Ave., Brooklyn, N. Y 1309 West Farms Rd., New York, N. Y	6 33 50
2UA 2QE 2PP 2OX 2GL 2SG 2TD 2HP	Mann, Samuel	289 Evergreen Ave., Brooklyn, N. Y 1309 West Farms Rd., New York, N. Y	33 50
2QE 2PP 2OX 2GL 2SG 2TD 2HP	Manley, Lee L	289 Evergreen Ave., Brooklyn, N. Y 1309 West Farms Rd., New York, N. Y	50
2PP 2OX 2GL 2SG 2TD 2HP	Mardon, F. Herbert Marshall, Richard E	289 Evergreen Ave., Brooklyn, N. Y 1309 West Farms Rd., New York, N. Y.	
2OX 2GL 2SG 2TD 2HP	Mardon, F. Herbert Marshall, Richard E	1309 West Farms Rd., New York, N. Y	10
2GL 2SG 2TD 2HP	Marshall, Richard E	1309 West Farms Rd., New York, N. I	18
2SG 2TD 2HP		928 Wortehorton Arro Dont Charton N V	20 550
2TD 2HP		238 Westchester Ave., Port Chester, N.Y.	12
2HP	Mayer, Arthur C	143 High St., Montclair, N. J	220
	Mayhew, B. Alan, jr	319 W. 139th St., New York, N. Y Laurel Ave., Tenafly, N. J.	1,000
~ *** 1	Mayhew, H. Clifford	346 Main St., New Rochelle, N. Y	1,000
2VX	McCarthy, George W	1012 Sutter Ave Brooklyn N Y	24
ŽIL	McClintock, George C	1012 Sutter Ave., Brooklyn, N. Y 319 Dudley Ave., Westfield, N. J	250
2KP	McClure Donald	11 Rudd Court, Glen Ridge, N. J	48
2HA	McCoy, Daniel	11 Rudd Court, Glen Ridge, N. J. 45 Lee Ave., Yonkers, N. Y. 1127 Ave. G, Brooklyn, N. Y.	1,000
2DF	McIntire, Meylert A	1127 Ave. G. Brooklyn. N. Y	250
$\overline{2}\overline{R}\overline{Q}$	McKinney, Donald B	Borthwick Ave., Delmar, N. Y	500
2EY	McKinney, Fred J	300 Glenwood Ave., Bloomfield, N. J	54
2LG	McLaughlin, Fred L	300 Glenwood Ave., Bloomfield, N. J 242 Nostrand Ave., New York, N. Y	90
2KY	McLoughlin, Robert J	105 Francisco Ave., Rutherford, N. J	190
2SH	McQuaide, James P	Larchmont Gardens, Larchmont, N. Y	880
2LI	Meacham, Fredk. C., jr	236 Decatur St., Brooklyn, N. Y	72
2EP	Mead, George S. V	12 Archer Ave., Mt. Vernon, N. Y	330
2NV	Meder, George C	990 1st Ave., New York, N. Y	550
2NX	Mehrbrey, William	12 Archer Ave., Mt. Vernon, N. Y	4
2OF	Meinecke, Ernest	27 Zabriškie St., Jersey City, N. J. Roosevelt St., Lynbrook, N. Y. 28 Spring St., Red Bank, N. J.	20
2SL	Merrill, J. Stewart	Roosevelt St., Lynbrook, N. Y	1,000
2NO	Merritt, Frank	28 Spring St., Red Bank, N. J.	350
	Meyer, Charles A	Fair Haven, N. J.	36
2EL	Meyer, William E	181 W. 63d St., New York, N. Y. 42 John St., Englewood, N. J.	81
2LA 2JK	Miller, Frederick R	200 N 7th St. Normark N T	24
27 K 2TI	Mitchell, Arthur M Mitchell, Everitt		48 270
211 2NI	Moles, Charles E	7 S. Bayles St., Port Washington, N. Y 229 Valentine Lane, Yonkers, N. Y	135
2PQ	Monsen, Hans S	583 Riverside Drive, New York, N. Y	250
2WU	Moore, H. Atherton	95 Prospect St. Nutley N. J.	1,000
2BI		95 Prospect St., Nutley, N. J	24
2CO	Morgan, Waller V Morrell, W. Frank	Broadway and 1st St., Keyport, N. J	500
2MI	Morris, Earle S	1192 Dean St., Brooklyn, N. Y.	500
2MY	Morris, Robert	1192 Dean St., Brooklyn, N. Y	8
2LN	Morrison, Clifford P	365 Warburton Ave., Yonkers, N. Y 67 Mott Ave., Far Rockaway, N. Y 70 Hillcrest Ave., Yonkers, N. Y	400
2PO	Mott, Harold	67 Mott Ave., Far Rockaway, N. Y	55
2BG	Mowton, Edward M	70 Hillcrest Ave., Yonkers, N. Y	275
2AG	Mulford, Harold C	6 Weekes Ave., Oyster Bay, N. Y. Long Hill Rd., Little Falls, N. J. 441 N. Broadway, Yonkers, N. Y. 100 Linden Ave., Bloomfield, N. J. 285 E. 157th St., New York, N. Y. Nassau Ave., Freeport, N. Y.	440
2SK	Murray, Charles Noble, Kendrick	Long Hill Rd., Little Falls, N. J.	250
2KX	Noble, Kendrick	441 N. Broadway, Yonkers, N. Y	300
2WF	Nolan, Frank J	100 Linden Ave., Bloomfield, N. J	18
2OL	O'Brien, Laurence J O'Brien, Thomas	285 E. 157th St., New York, N. Y	250
2CK	O'Brien, Thomas		250
2HS	O'Mara, Edward F	134 W. 66th St., New York, N. Y	12
2QU	Osborne, J. Spencer	45 Broad St., Newark, N. J	6
2MO	Ostman, Frederick B		40
2PK 2RE	Otten, G. C	58 Chichester Ave., Jamaica, N. Y	12
2NK	Pacent, L. Gerard	218 Young St., Blissville, N. Y	24
2DY	Palm, J. Adam	AQ W KOth Qt Now Vool N V	30 880
20U	Palmer, Corydon Palmland, Philip	48 W. 50th St., New York, N. Y	30

Amateur Radio Stations—Second District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Powe
opp	De di Dalant	140 Marchall Ca. Elizabeth N. F.	Wet
2FB	Pareis, Robert	149 Marshall St., Elizabeth, N. J	
2TT	Pattison, Edward H	21 Locust Ave., Troy, N. Y.	1
	Pearl, Eugene S	307 Gregory Ave., Passaic, N. J	5
2WH 2MP	Pearsall, Arthur R	197 Wardurton Ave., Ionkers, N. I	
2BS	Pearsall, William E	226 Moffat St., Brooklyn, N. Y	4
2TF	Pearson, Herbert B Pearson, James W	9 North End Ter., Newark, N. J	1
2GO	Peltier, Paul D	345 W. 70th St., New York, N. Y	
2TY	Pendleton, Archibald F.	49 Pendleton Pl., New Brighton, N. Y	1,0
2MD	Pendleton, Harold A	799 Quincy St., Brooklyn, N. Y.	1,0
2FM	Perkins, William P	35 Grant Ave., Yonkers, N. Y	
2HG	Peters, Frank J	Broad St., Bloomfield, N. J.	
2FA	Pfeifer, Clarence H	Broad St., Bloomfield, N.J	2
2NZ	Pfeil, A. Leslie	242 Cottage St., Irvington, N. J	3
2WJ	Pflomm, George M	1829 Topping Ave., New York, N. Y	. :
2UX	Phelan, Charles W	61 Powell Ave., Rockville Center, N. Y	
2BP	Phipps, Donald A	Oyster Bay, N. Y	1
2RX	Picken, James C., jr	2287 University Ave., New York, N. Y	5
2GZ	Plate, Fred W	91 Van Reypen St., Jersey City, N. J	
2KW	Plummer, James A	340 Orient Way, Rutherford, N.J	
2CZ	Poe, Vergil C	862 Sterling Pl., Brooklyn, N. Y	
2UM	Poling, Russell H	Beers St., Keyport, N. J.	5
2WC	Pollock, J. Millard	34 Clifton Pl., Brooklyn, N. Y	
2PF	Pope, Frederick B	24 Carrol St., Yonkers, N. Y	5
2RJ	Porter, Charles A	1700 Ditmas Ave., Brooklyn, N. Y	
20P	Prendergast, Robert M	174 4th St., Union Course, N. Y.	5
2DL	Price, Henry S	435 Clinton Ave., Brooklyn, N. Y	ا ا
2CD	Prosser, Roger D	Chestnut St., Englewood, N. J.	5
2EI 2ML	Quick, Henry C	471 75th St., Brooklyn, N. Y	2
2M1	Quinby, E. Jay	York, N. Y.	"
2QL	Rabi, Isidor	481 Hopkinson Ave., New York, N. Y	
2ŤŔ	Randolph, Randolph A	481 Hopkinson Ave., New York, N. Y 558 W. 165th St., New York, N. Y	2
2HC	Raqué, Carl P	82 Booraem Ave., Jersey City, N. J	3
2RH	Reiss, Lester	580 W. 161st St., New York, N. Y	2
2RB	Reuman, William H	480 9th Ave., New York, N. Y	5
2OW	Rextrew, Walter C	355 Delaware Ave., Albany, N. Y	
2NT	Reyl, George	309 E. 86th St., New York, N. Y	1
2ID	Reyle, Stanley	421 Van Reipen Ave., Jersey City, N. J	
2RS	Reymann, Albert E	752 9th Ave., New York, N. Y	١.
218	Ricketts, Percy E	George St., Babylon, N. Y	. 2
2QF	Ritscher, Hans	807 Garden St., Hoboken, N. J	Ι.
2TX	Robbins, Walter G	Babylon, N. Y	1 8
2LC	Roberts, A. Perry	Tenafly Rd., Tenafly, N. J	· °
2MC	Roberts, Irven J	66 E. Baldwin St., Bloomfield, N. J	
2VE	Robertson, Gus	125 Hunter Ave., Long Island City, N. Y	1
$^{2\mathrm{QR}}_{2\mathrm{TR}}$	Robertson, William L Roche, Walter J	57 Montross Ave., Rutherford N. J 2 Irving Pl., Jamaica, N. Y	1,0
21 K 2LJ	Rodenburg, Herman	1626 2d Ave., New York, N. Y	1,"
2SJ	Rodriguez, Joseph, jr	293 23d St. Rrocklyn N V	• 1
2KV	Rogers, Lorlys R	223 23d St., Brooklyn, N. Y	6
2TH	Roy, James A. S.	59 Park Ter., West Orange, N. J.	1
2IA	Royce, Winfred A	1329 49th St., Brooklyn, N. Y.	5
$\widetilde{\mathbf{2JY}}$	Rupert, S. E. G.	1329 49th St., Brooklyn, N. Y	1,0
2GP	Rutherford, T. Bruce	42 Hawthorne St., Brooklyn, N. Y	
2DE	Ruttmann, Ferdinand	605 W. 141st St New York, N. Y	1 2
2WL	Ryan, Lester F	18 Kosciusko St., Brooklyn, N. Y	۔ ا
2DM	Sach Harold	701, Madison Ave., New York, N. Y	. 2
2HN	Sands, Walter H	178 Anchor Ave., Mt. Vernon, N. Y	2
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AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

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Call signal.	Owner of station.	Location of station.	Power.
7			Watts.
2LH	Sayres, Ralph A	4645 Central Ave., Richmond Hill, N. Y	30
2SU	Schabbehar, Edwin A	412 Village Ave., Rockville Center, N. Y	77
2JB	Schaefer, Charles L	201 Broadway, Port Richmond, N. Y	500
210	Scharrenbeck, George H.	126 W. 1st St., Mt. Vernon, N. Y	220
	Schedler, Herbert	228 Control Avo Torgov City N I	300
2EQ 2BF		328 Central Ave., Jersey City, N. J	350
	Schell, Richard, jr	oll Organic D.J. Mandalain N. T.	
2BO	Schermerhorn, Howard F.	211 Orange Rd., Montclair, N. J.	30
2DJ	Schlitz, Karl W	28 Jefferson St., Brooklyn, N. Y	3
2NC	Schmid, Paul	110 S. Division St., Peekskill, N. Y	77
2EO	Schneider, Alexander	326 E. 69th St., New York, N. Y	4
2VO	Scholerman, Carl	Pleasantville, N. Y.	1,00
2PD	Schomp, Roy	76 Undercliff Ave., Edgewater, N. J	22
2CB	Schram, John, jr	21 Locust St., Brooklyn, N. Y	6
2BH	Schulte, Carl E	67 Oak St. Ridgewood N.J.	25
2EZ	Schupp, Charles H	Linden Ave River Edge, N. J.	25
2UY	Schwartz, Abraham H	Linden Ave., River Edge, N.J. 80 2d Ave., New York, N. Y. 138 E. 95th St., New York, N. Y. 710 3d Ave., Brooklyn, N. Y.	35
2DQ		129 F 05th St Now Vork N V	50
	Schwarzkopf, Irving M.	710 2d Area Dreakless N. V	
2ND	Schweizer, Charles L	7103d Ave., Brooklyn, N. 1	5
2IN	Scofield, Robert W	87 Macon St., Brooklyn, N. Y	5
2AN	Sedlak, Conrad J	633 Main St., New Durham, N. J	2
2PM	Sellars, Millard	96 N. Bergen Pl., Freeport, N. Y 231 Park Pl., Brooklyn, N. Y	3
2DX	Seyd, Ernest K	231 Park Pl., Brooklyn, N. Y	5
2NM	Sharp, Watkin W	Far Rockaway, N. Y	1,00
2PZ	Shaw, Horace S	2120 Canarsie Lane, Brooklyn, N. Y.	5
2KS	Shropshire, Lee R	Grand Ave Palisades Park N J	50
2OU	Siebert, Walter	Grand Ave., Palisades Park, N. J. 1538 E. 15th St., Brooklyn, N. Y. 25 S. 2d Ave., Mt. Vernon, N. Y. 412 17th St., Brooklyn, N. Y.	4
2GR	Slagle, E. Lester	25 S 2d Avo Mt Vernon N V	1
		410 17th Ct Proplan N V	4
2RY	Slosilo, Stephen J	G th Ct O The Day N V	
2MK	Smith, Daniel W	South St., Oyster Bay, N. Y. 185 Brooklyn Ave., Brooklyn, N. Y. 126 E. 114th St., New York, N. Y.	13
2QV	Smith, Edgar T	185 Brooklyn Ave., Brooklyn, N. Y	28
2DU	Smith, Joseph T	126 E. 114th St., New York, N. Y	50
2JP	Smith, Julius J. R	807 Lincoln Pl., Brooklyn, N. Y Lawrence Ave., Lawrence, N. Y	- 1
2JO	Smith, Nelson V	Lawrence Ave., Lawrence, N. Y	1,00
2GW	Snowden, Fred	R. F. D. No. 49, Schenectady, N. Y	67
2KH	Solberg, Walter	620 46th St., Brooklyn, N. Y	2
2GC	Sonn, Albert E	150 2d Ave., Newark, N. J	55
2RP	Sorgens, Walter M	65 Odell St. Schenectady, N. Y.	25
2IM	Spangenberg, Lester	65 Odell St., Schenectady, N. Y	80
2WP	Spannaus, Charles O	660 W. 180th St., New York, N. Y	50
	Caire Walter		3
2FD	Spiegel, Walter	1611 1st Ave., New York, N. Y	2
2RF	Springer, C. Meredith	339 Union St., Far Rockaway, N. Y	
2FS	Stanley, Howard L	Main St., Babylon, N. Y	22
2AL	Stanley, Walter N	654 Putnam Ave., Brooklyn, N. Y	3
20K	Stanton, Walter	46 Smith St., Rockville Center, N. Y	7
2VW	Steinkamp, Harold	89 Hvatt Ave., Yonkers, N. Y	50
2UW	Stevens, Herbert H	4 Elm St., West Orange, N. J	2
2UZ	Stewart, G. Edwin	87 N. Center Ave., Rockville Center, N.Y.	1,00
2KO		1198 Redford Ave Brooklyn N V	10
	Stone, Brownell	1128 Bedford Ave., Brooklyn, N. Y 212 Hancock St., Brooklyn, N. Y	7
2JA	Story, Robert K., jr	212 Hancock St., Drooklyn, N. 1	
2TA	Stricker, Fred W	52 6th St., Elizabeth, N. J.	32
2LV	Stutz, Ernest W	126 Bainbridge St., Brooklyn, N. Y 36 W. 85th St., New York, N. Y	1
2LR	Taussig, Charles W	36 W. 85th St., New York, N. Y	36
2IH	Tense, William F	18 Madison Ave., Clifton, N. J	2
2EC	Thiede, Ferdinand C	486 Decatur St., Brooklyn, N. Y	2
2PJ	Thomas, Alonzo E., jr	176-A Union St., Jersey City, N. J	
2PW	Timmins, Walter J	76 Davis Ave Kearny N. J.	1
201	Tong Myron A	76 Davis Ave., Kearny, N. J	10
2OJ	Tong, Myron A Totten, Elmer E	95 W. 33d St., Bayonne, N. J	
2CP			

54773°-14---7

Amateur Radio Stations—Second District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
2PT	Traver, William F	Chandler Ave., Far Rockaway, N. Y	12
2RN	Tucker, George C	Broadway, Upper Nyack, N. Y	24
2KB	Tyrrel, Randolph E	677 E. 19th St., Brooklyn, N. Y	250
2ST	Udell, Carlton G	130 Lincoln Pl., Brooklyn, N. Y	30
2RM	Underhill, Chester R	24 Forest St., Montclair, N. J.	120
2HD	Underwood, Kenneth C.	259 Mt. Prospect Ave., Newark, N. J	324
2KI	Uphoff, Leslie S	120 Avenue B, Schenectady, N. Y	550
2OT	Urbain, Ferdinand A	1189 44th St., Brooklyn, N. Y	180
2SE	Van Duzer, Charles P	172 Fisk Ave., Westerleigh, N. Y	50
2UU	Vanderbilt, Clinton B	214 Imwood Ave., Upper Montclair, N. J.	24
2MG	Vaughan, George W., jr	34 S. 9th Ave., Mt. Vernon, N. Y	250
2RZ	Veneman, Peter	36 Watson St., Paterson, N. J.	12
2OR	Vermilya, Irving	24 Chester St., Mt. Vernon, N. Y	250
20Q	Wade, J. Melmoth	83 Hamilton Ave., Yonkers, N. Y	15
2CV	Waibel, Walter W	111 Fabyan Pl., Newark, N. J.	250
20E	Walker, Raymond L	49 Roseville Ave., Newark, N. J.	18
2QO	Walsh, James L	172 Park Ave., East Rutherford, N. J	250
2QP	Ward, John R	160 Garfield Pl., Brooklyn, N. Y	40
2RC	Watson, Edmund A	78 Van Ness Ave., Rutherford, N. J	660
2DZ	Watters, John J	Port Richmond, N. Y	500
2FR	Way, John D	214 W. 92d St., New York, N. Y	260
2MQ	Weber, Ernest A	285 S. 2d St., New York, N. Y	18
2KZ	Weden, Charles	97 Myrtle St., Bloomfield, N. J	12
2FH	Weiss, Jacob	5 Adams St., Port Washington, N. Y	1,000
2JE	Wendelstadt, Lucius F	8 Seymour St., Montclair, N. J	1,000
2KC	Werner, Charles M	252 Cambridge Ave., Jersey City, N. J	25
2GE	West, Thomas R	256 Grand Ave., Leonia, N. J	30
2NE	Westerhoff, Peter, jr	Goffle Ave., Midland Park, N. J	500
2TJ	White, Howard E	Rve, N. Y	36
2BW	Whitson, John H	Briarcliff Manor, N. Y	500
2EH	Wilmott, George B	1138 E. 37th St., Brooklyn, N. Y	50
2WQ	Willets, Gilson V	92 Hamilton Ave., Yonkers, N. Y	12
2UI	Williams, Arthur D	73 S. Arlington Ave., East Orange, N. J	14
2EA	Williams, Earl C	261 Madison Ave., Perth Amboy, N. J	330
2MJ	Williams, Roy D	801 Halsey St., Brooklyn, N. Y	24
2QI	Wimpfheimer, Gustave R	1218 Wheeler Ave., New York, N. Y	250
2DA	Winn, Arthur H	325 Church St., Poughkeepsie, N. Y	50
2FP	Woerner, Charles A	247 Union St., Jersey City, N. J	30
2NR	Wohltmann, Henry M	168 W. 55th St., Brooklyn, N. Y	30
2LZ	Woodrow, William	224 W. 140th St., New York, N. Y	880
2IW	Worth, John B	Madison St., Cresskill, N. J	36
2BE	Yerbury, George S., jr	21 Irving Pl., Passaic, N. J	36
2IT	Young, Henry	179 4th St., Jersey City, N. J	12
2HV	Zeitz, Edwin	404 Ralph St., Brooklyn, N. Y	75
200	Zimmermann, Edwin W.	106 Magnolia Ave., Arlington, N. J	100
2DB	Zucker, Richard D	45 Clinton Pl., Mt. Vernon, N. Y	250
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ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.
2AA	Flagg, John H.	2AG	Mulford, Harold C.
2AC	Hart, Gifford R.	2AH	Edelman, Abraham.
2AD	Dammers, Albert.	2AI	Eber, John G.
2AE	Happe, William H.	2AK	Ferris, Howard E.
2AF	Bryant, Marquis V.	2AL	Stanley, Walter N.

Amateur Radio Stations—Second District—Alphabetically by Call Signals—Continued.

	·	11	
Callsignal.	Owner of station.	Call signal.	Owner of station.
2AM	Haeselbarth, Percy.	2DO	Gerrity, John J.
2AN	Sedlak, Conrad J.	2DQ	Schwarzkopf, Irving M.
2AO	Jones, Robert O.	2DŘ	Cooper, Telfer C.
	Corson, David N.	2DS	Clark, Le Roy.
	De Yoe, Willard L.	$\mathbf{\overline{2DU}}$	Smith, Joseph T.
	Guild, Baldwin.	$\mathbf{\tilde{z}DV}$	Hathaway, Harry C. B.
	Bryan, Chester W.	2DX	Seyd, Ernest K.
	Gittelbauer, Frederick.	2DY	Palmer, Corydon.
	Pearl, Eugene S.	2DZ	Watters, John J.
2BC	Kaltenbach, Henry J., jr.	2EA	Williams, Earl C.
$\mathbf{\widetilde{2BD}}$	Banta, Theodore C.	2EC	Thiede, Ferdinand C.
$^{2BE}_{2BE}$	Yerbury, George S., jr.		Jacobs, Charles F.
$^{2BE}_{2BF}$	Schell, Richard, jr.	2EF	Hurd Theodore
	Mowton, Edward M.	2EG	Hurd, Theodore. Hurd, John B.
2BH	Schulte, Carl E.	2EH	Wilmott, George B.
2BI	Morgan, Waller V.	2EI	Quick, Henry C.
2BK	Green, Adoniram J.	2EJ	Bechtlofft, Claude B.
	Kirch, George, jr.	2EL	Meyer, William E.
	Heermance, Earle.	2EM	Crosby Roy C
	Griswold, Edmund J.	2EO	Crosby, Roy C. Schneider, Alexander.
2BO	Schermerhorn, Howard F.	2EP	Mead, George S. V.
2BP	Phipps, Donald A.	2EQ	Schedler, Herbert.
	Krech, Karl G.	2ES	Campbell, Robert, jr.
2BS	Pearson, Herbert B.	2ET	England, George B.
2BT	Barrett's School of Telegraphy.	2EU	Droste, George T.
2BW	Whitson, John H.	2EV	Hallock, Charles S.
2BY	Keller, Julius F.	2EW	Hamilton, Joseph E.
$^{2BI}_{2BZ}$	Lyman, C. Glenn.	2EX	Jackson, Benjamin B.
202	Lyman, C. Glom.	2EY	McKinney, Fred J.
2CA	Liedecker, Morris.		Schupp, Charles H.
2CB	Schram, John, jr.	202	behupp, charles II.
2CD	Prosser, Roger D.	2FA	Pfeifer, Clarence H.
· 2CI	Austin, Edward.	2FB	Pareis, Robert.
2CJ	Rathrata Walter E	2FD	Spiegel, Walter.
2CK	Bathgate, Walter E. O'Brien, Thomas. Dickey, Edward T.	2FE	Cheel, Harold W.
2CN	Dickey Edward T	2FH	Weiss, Jacob.
200 200	Morrell, W. Frank.	2FI	Kirkpatrick, Louis W.
20P	Totten, Elmer E.	2FJ	Helwig, Herman F.
2CQ	Dilg, A. Norman.	2FK	
2CŘ	Blauvelt, William M.	2FL	Hamilton, Ralph. Lehmann, August, jr.
20T	Bunn, Milo B.	2FM	Perkins, William P.
201 20U	Palmland, Philip.	2FO	Clark, William C.
20V	Waibel, Walter W.	2FP	
20Z	Poe, Vergil C.	2FQ	Woerner, Charles A. Hardwick, Ambrose H.
202	100, TOLBIL O.	2FR	Way, John D.
2DA	Winn, Arthur H	2FS	Stanley Howard I.
2DB	Zucker Richard D	2FT	Stanley, Howard L. Bishop, Mortimer Z.
	Zucker, Richard D. Kahn, Walter A.	2FU	Benzing, Herman.
2DD	Fitzgerald, Gordon P.	2FW	MacPherson, Claude V.
	Ruttmann, Ferdinand.	2FY	Hartman, Robert.
	McIntire, Meylert A.		
2DG	Higgs, Harry Y.	21.21	Harris, Charles C.
2DI		2GB	Bartlett Barnard W
	Cyriax, Ernest A. Schlitz, Karl W.	2GC	Bartlett, Bernard W.
2DK	Hill, William S.	2GD	Sonn, Albert E.
	Price Henry S	2GD 2GE	Farquharson, John S.
2DM	Price, Henry S. Sachs, Harold.	2GE 2GF	West, Thomas R.
2DM 2DN			Gabrielson, Henry M.
2DN	Cullen, Edward R.	2GG	Dahlgren, Birger A.

Amateur Radio Stations—Second District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
		-	
2GH	Kelting, Clarence A.	2JO	Smith, Nelson V.
2GI	Bockelmann, Charles F.	2JP	Smith, Julius J. R.
2GK	Hubbard, John W.	2JU	Goette, C. J.
2GL	Marshall, Richard E. Ballard, J. Adams.	2JX	De Cortin, Gustav A.
2GM	Ballard, J. Adams.	2JY	Rupert, S. E. G.
2GO	Peltier, Paul D.	l	
2GP	Rutherford, T. Bruce.	2KA	Kroener, Christian E.
2GR	Slagle, E. Lester.	2KB	Tyrrel, Randolph E.
2GU	Inwright, John A.	2KC	Werner, Charles M.
2GW	Snowden, Fred.	2KD	Browne, Walram S.
2GX	Fallon, Harry A., jr.	2KE	Frey, George.
2GZ	Plate, Fred W.	2KH	Solberg, Walter. Uphoff, Leslie S.
		2KI	Uphoff, Leslie S.
2HA	McCoy, Daniel.	2KJ	Beebe, Lloyd S.
2HC	Raqué, Carl P.	2KK	Day, Howard B.
2HD	Underwood, Kenneth C.	2KL	Gregory, Arthur V.
2HF	Coote, Charles W.	2KM	Francis, Charles E. Collison, Percy B.
2HG	Peters, Frank J.	2KN	Collison, Percy B.
2HH	Dederick, H. C.	2KO	Stone, Brownell.
2HJ	Hadden, Weston. Burrows, Henry P.	2KP	McClure, Donald.
2HK	Burrows, Henry P.	2KQ	Edwards, Harry M., jr.
2HN	Sands, Walter H. Lyons, William B.	2KR	Lebowitz, Samuel.
2HO	Lyons, William B.	2KS	Shropshire, Lee R.
2HP	Mayhew, B. Alan, jr.	2KV	Rogers, Lorlys R.
2HR	Chandler, Arthur C.	2KW	Plummer, James A.
2HS	O'Mara, Edward F	2KX	Noble, Kendrick.
2HT	Macartney, George E.	2KY	McLoughlin, Robert J.
2HU	Hotchkiss, Grosvenor.	2KZ	Weden, Charles.
2HV	Zeitz, Edwin.		
2HX	Lane, David M.	2LA	Miller, Frederick R.
		2LB	Bertine, Edwin K.
2IA	Royce, Winfred A.	2LC	Roberts, A. Perry.
2ID	Reyle, Stanley.	2LD	Cotter, William F. Egolf, Richard S.
2IE	Lemmon, Walter S.	2LE	Egolf, Richard S.
2IH	Lemmon, Walter S. Tense, William F.	2LF	Bartlett, Charles H.
2II	Howell, Walter J.	2LG	McLaughlin, Fred L.
2IJ	Cochran, Alexander.	2LH	Sayres, Ralph A.
2IL	McClintock, George C.	2I.I	Meacham, Frederick C., jr.
2IM	Spangenberg, Lester.	2LJ	Rodenburg, Herman.
2IN	Scofield, Robert W.	2LL	Benedict, Alonzo R.
210	Scharrenbeck, George H.	2LM	Dunn, Laurence J.
2IQ	Elliott, Paul C.	2LN	Morrison, Clifford P.
2IR	Foulke, J. Brion, jr.	2LO	Coffin, Russell S.
2IS	Ricketts, Percy E.	2LP	Green, Raymond J.
2IT	Young, Henry.	2LQ 2LR	Belt, Charles B.
2IV	Lindsay, Russell.	2LR	Taussig, Charles W.
2IW	Worth, John B.	2LT	Galvin, Lee R. Baker, William N. Stutz, Ernest W.
2IY	Dugan, Edward W.	2LU	Baker, William N.
2IZ	Fraser, Frank.	2LV	Stutz, Ernest W.
		2LX	Adelphi College.
2JA	Story, Robert K., jr.	2LY	Hoover, Raymond.
2JB	Schaefer, Charles L.	2LZ	Woodrow, William.
2JD	Boeder, Arthur R.		
2JE	Wendelstadt, Lucius F.	2MA	Hallenbeck, Charles.
2JF	Frey, Anthony C.	2MC	Roberts, Irven J.
2JH	Brown, David S., jr.	2MD	Pendleton, Harold A.
2JI	Brown, David S., jr. Eddy, Leonard E.	2ME	Archibald, John O.
2JK	Mitchell, Arthur M.	2MF	Hoppock, Allen H.
2JN	Freeland, Wilbur W.	I 2MG	Vaughan, George W., jr.

Amateur Radio Stations—Second District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
2MH	Buchanan, William F.	20P	Prendergast, Robert M.
2MI	Morris, Earle S.	$2\ddot{O}\ddot{Q}$	Wade, J. Melmoth.
2MJ	Williams, Roy D.	20R	Vermilya, Irving.
2MK	Smith, Daniel W.	208	Cohen, Walter.
2ML	Quinby, E. J.	2OT	Urbain, Ferdinand A.
2MM	Quinby, E. J. Apgar, Charles E.	2OU	Urbain, Ferdinand A. Siebert, Walter.
2MN	Carrougher, Vivian A.	2OV	Littlefield, Charles E.
2M O	Ostman, Frederick B.	2OW	Rextrew, Walter C. Mardon, F. Herbert.
2MP	Pearsall, William E.	2OX	Mardon, F. Herbert,
2MQ	Weber, Ernest A.	2OY	Jones, Frank.
2MŘ	Atwater, Frank G., jr.	207	Dufford, John S.
2MS	Berri, Herbert.	1	•
2MT	Leeb, Henry L.	2PA	Carman, Newton I.
2MU	Hengerer, Howard B.	2PB	Haight, Russell P.
2MV	Bell, Arthur E.	2PC	Barriette, Samuel L.
2MW	Crichton, Arthur M.	2PD	Schomp, Roy.
2MX	Heffernan, William J.	2PE	Schomp, Roy. Fritch, Vincent J.
2MY	Morris, Robert.	2PF	Pope, Frederick B.
		2PG	Eckstein, William J.
2NA	Adickes, Ernest D.	2PH	Blackburn, Godfrey C.
2NB	Le Gallez, Clayton B.	2PI	Evans, Clarence L.
2NC	Schmid, Paul.	2PJ	Thomas, Alonzo E., jr.
	Schweizer Charles L	2PK	Otten, G. C.
2NE	Schweizer, Charles L. Westerhoff, Peter, jr.	2PL	Lindsay, Daniel E.
2NF	Homan, Eber J.	2PM	Sellars, Millard.
2NH	Horn, Charles W.	2PN	Berger, H. C. V. B.
2NI	Moles, Charles E.	2PO	Mott, Harold.
2NK	Palm, J. Adam.	2PP	Manvell, Edwin H.
2NL	Burnett, Walter J. Sharp, Watkin W.	2PQ	Monsen, Hans S.
2NM	Sharp, Watkin W.	2PR 2PS	Dynner, Eugene.
2NN	Buck, David E.	2PT	Cohen, Samuel.
2NO	Merritt, Frank.	2PU	Traver, William F. Lally, Joseph F.
2NP	Koenig, George F.	2PV	Grebe, Alfred H.
2NQ	Isaacson, Charles B.	2PW	Timmins, Walter J.
2NR	Wohltmann, Henry M.	2PX	Hamilton, Albert G., jr.
2NS	Hoffman, Paul J.	2PY	Bogardus, Henry L.
2NT	Reyl, George.	$\tilde{2PZ}$	Shaw, Horace S.
2NU	Berglund, Edward A.		, 2101W0 5.
2NV	Meder, George C.	2QA	Kinney, E. M.
2NX	Mehrbrey, William. Austrian, Ralph B.	2QB	Blackford, Harold W.
2NY	Desil A Leglie	2QC	Ford, Fullerton.
2NZ	Pfeil, A. Leslie.	$2 ilde{ ext{QD}}$	King, Wendell W.
		$2\tilde{\mathbf{Q}}\mathbf{E}$	Manley, Lee L.
2OA	Hammond, Lester.	2QF	Ritscher, Hans.
2OB	Fox, Loyal S.	2QG	Gale, Rowland A.
2OC	Erasmus Hall High School.	2QH	Davies, Richard J., jr.
2OD	Debuchy, Edmund A.	2QI	Wimpfheimer, Gustave R.
20E	Walker, Raymond L.	2QJ	Eckley, Harold J.
20F	Meinecke, Ernest.	2QK	Caskey, Kenneth B.
20G	Cockaday, Lewrence M.	$^{2}\mathrm{QL}$	Rabi, Isidor.
20H	Lang, Ernest.	2QM	Koukol, Edwin P.
201	Folks, Leslie E.	2QN	Dwyer, Martin J., jr. Walsh, James L.
2OJ	Tong, Myron A.	2QO	waish, James L.
20K	Stanton, Walter.	2QP	Ward, John R.
20L	O'Brien, Laurence J.		Green, Irving W.
20M	Maher, Frank A.	2QR	Robertson, William L.
20N	Kellow, James C.		Bernard, James L.
200	Zimmermann, Edwin W.	2QT	Hynds, Arthur E.

Amateur Radio Stations—Second District—Alphabetically by Call Signals—Continued.

			
Call signal.	Owner of station.	Call signal.	Owner of station.
2QU	Osborne, J. Spencer.	2TA	Stricker, Fred W.
2QV 2QW	Smith, Edgar T.	2TB	Ford, Everett J.
2QW	Birkmire, Harold.	2TC	Dickenson, Henry E.
2QX	Keller, George C.	2TD	Mayer, Arthur C.
2QY	Jacobsen, Walter H.	2TE	Bentzig, Victor H.
$\mathbf{z}\mathbf{\tilde{Q}}\mathbf{z}$	Meyer, Charles A.	2TF	Pearson, James W.
		2TG	Balfoort, John M.
	TT 11 (M) 1	2TH	Roy, James A. S.
2RA	Hollman, Theodore. Reuman, William H.	2TI	Mitchell, Everitt.
2RB	Reuman, William H.	2TJ	White, Howard E.
2RC	Watson, Edmund A.	2TK	Randolph, Randolph A.
2RD	Carey, Stephen W., 3d.	2TL	de Forest. Edward L., ir.
2RE	Pacent, L. Gerard.	2TM	Collymore, Errold D.
2RF	Springer, C. Meredith.	2TN	Collymore, Errold D. Dunham, Clarence L. Benzing, Jacob.
2RG	Earle, William P., jr.	2TO	Benzing, Jacob.
2RH 2RI	Reiss, Lester.	2TP	Bonn, William.
2RJ	Cowper, Norman C. Porter, Charles A.	2TQ	Adams, E. William, jr. Roche, Walter J.
2RK	Horle, Lawrence C. F.	2TR	
2RL	Camp, Victor F.	2TS	Carpenter, Ferris G.
2RM	Underhill, Chester R.	2TT	Pattison, Edward H.
	Tucker, George C.	2TU	Lee, Robert J. B.
2RO	Dodds, Andrew C.	2TV	Glenn, George.
2RP	Sorgens, Walter M.	2TW	Knight, Alexander H.
2RQ	McKinney, Donald B.	2TX	Robbins, Walter G.
2RŘ	Johnson, John A.	2TY	Pendleton, Archibald F.
2RS	Reymann, Albert E.	2TZ	Collins, Frank J.
2RT	Collinson, Jesse G.	ATTO	Mann Samuel
2RU	Jordon, Fletcher.	2UA 2UB	Mann, Samuel.
2RV	Johnson, W. Eugene.	2UC	Emory, John M. G. Lange, William.
2RW	Baily, Hobart W.	2UD	Brainard, Edward S.
2RX	Picken, James C., jr.	2UE	Hoyt, William L.
2RY	Slosilo, Stephen J.	2UF	Evans, Arthur F.
2RZ	Veneman, Peter.	2UG	Bonduaux, Eugene L.
		2UH	Boys' Wireless Club of Hacken-
2SA	Lowitz, Donald J.		sack High School.
28B	Sangree, Ernest M.	2UI	Williams, Arthur D.
2SC	Constant, S. Victor.	2UJ	Innes, Richard C.
2SD	Copersito, Michael.	2UK	Biggam, Henry C.
2SE	Van Duzer, Charles P.	2UL	Baker, Alvah L.
2SF	Kollock, Alan S.	2UM	Poling, Russell H.
2SG	May, Fred.	2UN	Graham, Malcolm.
2SH	McQuaide, James P.	2UO	Heyer, Benjamin W. Gannon, J. Kimball.
2SI	Le Quesne, C. A., jr.	2UP	Gannon, J. Kimball.
2SJ	Rodriguez, Joseph, jr.	2UQ	Hallett, E. Douglas.
28K	Murray, Charles. Merrill, J. Stewart. Hatry, William B.	2UR	Arany, Leo.
28L	Merrill, J. Stewart.	2US	Allstrom, F. Condit.
2SM	Hatry, William B.	2UT	Dick, Benjamin S.
28N	Barnes, C. Everett.	2UU	Vanderbilt, Clinton B.
280 28P	Johnston, James E.	2UV	Dimmick, James N.
2SP 2SQ	Bleilevens, Gerhardt. Kreeft, Raymond A.	2UW 2UX	Stevens, Herbert H. Phelan, Charles W.
28R	Greenlees, William.		Schwartz, Abraham H.
28S	Fitler, Eugene B., jr.		Stewart, G. Edwin.
2ST	Udell, Carlton G.	""	Storato, G. Marin.
	Schabbehar, Edwin A.	2VA	Huested, William P.
28V	Clarke, Frederick D.	2VB	Gerlach, Adolph J.
$\tilde{2}\tilde{\mathbf{S}}\dot{\mathbf{X}}$	Cannon, George C.	∥ ŽÝČ	Johnson, Theophilus, jr.
2SY	De Long, Oscar A., jr. Kissick, Robert G.	2VD	Bruell, Joseph P.
28Z	Kissick, Robert G.	2VE	Robertson, Gus.

AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Callsignal.	Owner of station.	Call signal.	Owner of station.
Callsignal. 2VF 2VG 2VH 2VI 2VI 2VK 2VL 2VM 2VN 2VO 2VP 2VQ 2VP	Koch, Edward. Ahrens, Harry E. Engelder, Eberhardt E. Loub, Arthur F. Furman, Robert S. Covert, James D. Bond, Arthur M. Brown, Philip T. Charles, Chester A. Scholerman, Carl. Bartsch, Henry W. Agnoli, Justus J. Gassaway, Julian L. Decker, Ralph W. E.	Call signal. 2WA 2WB 2WC 2WD 2WE 2WF 2WG 2WH 2WI 2WJ 2WK 2WL 2WM	Owner of station. Keers, John K. Fogetti, Howard J. Pollock, J. Millard. Lasher, Charles E. Heydon, Albert R. Nolan, Frank J. Lemkie, Harry A. Pearsall, Arthur R. Anderson, Robert N. Pflomm, George M. Caggiano, Carmine J. Ryan, Lester F. Fowler, Jack B. Beller, William A. G.
2VT 2VU 2VV 2VW 2VX 2VY 2VZ	Kayser, Herbert. Flandreaux, Cyrus. French, Edward. Steinkamp, Harold. McCarthy, George W. Diehl, John F. Frederick, G. Bentley.	2WO 2WP 2WQ 2WR 2WS 2WS	Barone, Salvatore A. Spannaus, Charles O. Willets, Gilson V. Mayhew, H. Clifford. Francis, Leo A. Moore, H. Atherton.

THIRD DISTRICT.

[Headquarters: Customhouse, Baltimore, Md. The third district comprises the States of New Jersey (all counties not included in second district), Pennsylvania (counties of Philadelphia, Delaware, all counties south of the Blue Mountains, and Franklin County), Delaware, Maryland, Virginia, and the District of Columbia.]

Call signal.	Owner of station.	Location of station.	Power.
	Shile Value		Watts.
3PC	Abbott, E. H. B	417 Landis Ave., Vineland, N. J	300
3QK	Adams, Leslie H	828 Landis Ave., Vineland, N. J	990
3CA	Adelberger, Adrian J	W. Wayne Ave., Wayne, Pa	500
3GP	Amig, Edward P	Highland Park, Pa	500
3KE	Allen, Francis H	17I W. Broad St., Burlington, N. J	200
3BM	Allen, George Y	Bernardsville, N. J	312
3BD	Allen, Percival R	Haverford, Pa	250
3IP	Anderson, Albert	313 Chestnut St., Camden, N. J	30
3SR	Anderson, John A	612 Cherry St., Camden, N. J.	18
3TQ	Andrews, Edward C	22d and Morris Sts., Philadelphia, Pa	200
3AX	Arner, Oscar Q	56 V St. NW., Washington, D. C	24
3AA	Ashmore, John W	3408 Hamilton St., Philadelphia, Pa	16
3CN	Ashton, Leon W	106 Washington Ave., Collingswood, N. J.	30
3PI	Atlee, Franklin	2039 Pine St., Philadelphia, Pa	18
3JA	August, Earl W	3748 N. Delhi St., Philadelphia, Pa	250
3BU	Austrian, Harry D	122 31st St., Newport News, Va	36
3TU	Bach, Earl C	413 Cedar St., Allentown, Pa	42
3NN	Bachert, Homer A	418 Walnut St., South Bethlehem, Pa	18
3BV	Bacon, Franklin F	101 Mansion Ave., Haddonfield, N. J	300
3EN	Bailey, Albert S	31 N. 61st St., Philadelphia, Pa	120
3PL	Ballentine, Charles S	4810 Germantown Ave., Philadelphia, Pa.	50
3MX	Barker, Thomas H., jr	Gladwyne, Pa	
3SW	Barnard, Julian W	Bryn Mawr, Pa.	33
3QI	Barnes, Donald K	122 N. 61st St., Philadelphia, Pa	30
3MS	Barnhart, Lawrence W.		40
3KN	Barr, Richard H		440

Amateur Radio Stations—Third District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Fower.
			Watts.
3SY	Barretta, Valroy S	518 Elmer St., Vineland, N. J	440
3PE	Bassett, William W	205 Mohawk St., Norwood, Pa	18
3DU	Baumann, Frank J	160 Carson St., Philadelphia, Pa	60
3AJ	Bausman, George H	1228 N. Broadway, Baltimore, Md	75
3SK	Baxley, C. Herbert	1126 W. North Ave., Baltimore, Md	50
3VM	Baynes, Ralph J	812 Vandever Ave., Wilmington, Del	36
3EM	Beaty, Lehman C	109 East Ave., Hackettstown, N. J	15
	Beekley, Francia C	116 N. Lemon St., Media, Pa	72
3NL	Behm, L. F. F	1519 Poplar Grove St., Baltimore, Md	250 550
3NI	Bell, Albert A., jr	8 Catalpha Ave., Hamilton, Md	48
3JQ 3DČ	Benson, Thomas W Bergen, Donald M	920 Riverside Ave., Trenton, N. J	510
311	Bergmann, Frederick J.	1310 Allegheny Ave., Philadelphia, Pa	18
3PJ	Berman, Harry	315 Central Ave., Staunton, Va	495
3VL	Bernstein, Abe R	621 Queen St., Norfolk, Va	385
3MO	Bickel, E. Clifton	758 High St., Pottstown, Pa	550
3CC	Biddle, Howard L., jr	319 Hillside Ave., Jenkintown, Pa	12
3NH	Bierfreund, Max A	517 Penn St., Camden, N. J	350
3LQ	Birch, Stanford S	45 Washington Ave., Collingswood, N. J	100
3BP	Blackwood, George C	5346 Wayne Ave., Philadelphia, Pa	120
3FJ	Blair, Perot E	116 W. Lancaster Ave., Ardmore, Pa	36
3SV	Blakeley, George B	517 Seneca St., South Bethlehem, Pa	330
3TV	Blanford, Irving	922 North St., Portsmouth, Va	330
3GF	Blankenship, Elliott E	905 5th St. NW., Washington, D. C	24
3TX	Blessing, Joseph M	208 Vail St., Hackettstown, N. J	10
3GN	Board of Public Educa-	Lehigh Ave. and 8th St., Philadelphia,	490
OCM	tion.	Pa.	405
3SN 3KH	Bourgeois, Edmund R	901 Central Ave., Ocean City, N. J	495
3TL	Bowen, Albert Bowes, Joseph J	2437 E. Preston St., Baltimore, Md 2647 Agate St., Philadelphia, Pa	12 18
3RG	Bowman, Philip W	202 E. Montgomery St., Baltimore, Md	10
3BO	Brady, John B	Somerset, Md	330
3HJ	Bradley, Horace E	315 V St. NE., Washington, D. C	36
3UZ	Braidwood, Thomas W	Anglesea. N. J	48
3NZ	Branin, Manlif L	4516 Pacific Ave., Wildwood, N. J	18
3EV	Brannan, Julian L	2632 Guilford Ave., Baltimore, Md	100
3SS	Brany, Emil B	441 Goepp St., Bethlehem, Pa	500
3EA	Brashears, Paul B	Hunter, Va	72
3TP	Brittingham, Otis B	1038 North St., Portsmouth, Va	
3JW	Broadbelt, J. Edward, jr.	16 Hamilton Ave., Hamilton, Md	18
3JH	Brockman, Francis C	3 N. Main St., Nazareth, Pa	770
3BK	Brown, Merritt M	2417 N. 16th St., Philadelphia, Pa	36
30Q	Bryson, Harold E	Laurel Springs, N. J	330
3BQ 3CP	Bugbee, Newton A	215 F Brood St. Chaster Do	330 500
3PV	Bunting, George M., jr Bunting, Theodore R	315 E. Broad St., Chester, Pa	440
3JI	Burdette, Aubrey W	Adam St., Rockville, Md	1,000
3NW	Burke, Thomas J	1750 S. Mole St., Philadelphia, Pa	32
3SM	Burnett, A. Elmo	418 N. 23d St., Richmond, Va	18
3QB	Butterfield, Harold G	6 Burlington St., Bordentown, N. J	36
3ŬW	Call, J. Richard	114 Walnut St., Haddonfield, N. J	275
3UJ	Campbell, James D	114 Walnut St., Haddonfield, N. J	250
3CO_	Campbell, James S	1700 S. 60th St., Philadelphia, Pa	75
3BW	Campbell, John W	1209 25th St., Philadelphia, Pa	30
3BX	Carpenter, C. E., jr	7417 Sprague St., Philadelphia, Pa	250
3RT	Carvin, Frank D	1234 S. 53d St., Philadelphia, Pa	330
3UH	Casey, Ellwood R	1918 N. 21st St., Philadelphia, Pa	18
3KO	Chalmers, Edwin L	120 DURK AVE., WIIdWood, N.J	36
3ST	Chappell, Ralph R	2112 E. Clay St., Richmond, Va	30
3UT	Cianfrani, Theodore	1212 Morris St., Philadelphia, Pa	45

Amateur Radio Stations—Third District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
3BG	Clark, Edwin T	1244 Fitzgerald St., Philadelphia, Pa	12
3RI	Clough, Thomas A Cohan, William W	2510 W. Thompson St., Philadelphia, Pa.	12
3UR	Cohan, William W	611 Lombard St., Philadelphia, Pa	24
3MP	Conen, neury	600 S. 2d St., Philadelphia, Pa	250
311	Coin, Thornley M	Chester Pike and Pine St., Philadelphia,	18
3UB	Colberg, George A	112 E. Baker Ave., Wildwood, N. J	500
3KY	Cole, Jesse James	1644 N. Felton St., Philadelphia, Pa	100
3CL	Coleman, Walter V Collier, Wilbur H	2245 N. 15th St., Philadelphia, Pa	30
3AO	Colling Ponismin W	820 W. Fayette St., Baltimore, Md	330
30Z 3FZ	Collins, Benjamin W Conley, Charles B	513 Ogden Ave., Swarthmore, Pa	550 36
31 J	Cooper, James W	2043 N. College Ave., Philadelphia, Pa	60
3LR	Cooper, William F	14 Ruby St., Lancaster, Pa	24
3QT	Corderman, Roy C	R. F. D. No. 6, Hagerstown, Md	250
3JZ	Costella, Pietro A	4313 Baltimore Ave., Philadelphia, Pa	40
3PT	Crooper E Clark	Haverford, Pa	33
3BE	Critchlow, Samuel T Crothers, Harry W	2632 N. 17th St., Philadelphia, Pa	24
3BR	Crothers Harry W.	3033 Susquehanna Ave., Philadelphia, Pa.	24
3QJ	Crowley Robert H	23 N. Dewey St., Philadelphia, Pa	30
3NC	Crowley, Robert H Dalling, Howard	2942 High St., Camden, N. J. 1 Bala Ave., Bala, Pa	40
3FB	Darby, George B., jr	1 Bala Ave Bala. Pa	550
3TM	Davidson, Delmer S	2957 N. 7th St., Philadelphia, Pa	60
3FA	Davis, Edwin L	2957 N. 7th St., Philadelphia, Pa	490
3VE	Davis, Herbert E	41 Potter St., Haddonfield, N. J	10
3UG	Dearden, Rowland R., 3d.	11th St. and 69th Ave., Philadelphia, Pa.	220
3BI	Deery, Walter J	5928 Pine St., Philadelphia, Pa	250
3QU	Deichman, George L., jr.	Park Heights Ave., Baltimore, Md	330
3FN	Deichmiller Alvin	1323 S. Carey St., Baltimore, Md	24
3FF	Dempster, Warren J Densham, Harry W	118 Cleveland Ave., Norwood, Pa	8
3LP	Densham, Harry W	124 Fern Ave., Collingswood, N. J	220
3FR	Densten, E. Craig	2779 W. North Ave., Baltimore, Md 121 W. Cedar Ave., Merchantville, N. J 1631 E. Eager St., Baltimore, Md	990
3JE	Dickerson, E. Stuart, jr	121 W. Cedar Ave., Merchantville, N. J.	500
3DJ	Diggins, Edward P. G	1631 E. Eager St., Baltimore, Md	18
3RD	Dimling, Rudolph G. A.	I Bancrott Pk Baltimore Md	330
3EZ	Donovan, Edgar R Downes, Marlboro K	301 W. Norris St., Philadelphia, Pa	18
3MA	Downes, Mariboro K	1002 E. Broad St., Richmond, Va	40
3LN	Doyle, John E Dudley, De Witt C	1931 N. Uber St., Philadelphia, Pa	990
3FT		i 3910 market St., Filladelbila, Fa	30
3MD	Dulany, Franklin R	5 W. Walnut Ave., Merchantville, N. J	220 100
3HP 3VA	Duncan, Rodney P	2039 N. College Ave., Philadelphia, Pa	60
3FS	Durham, Wilson N Durkee, Alfred C Duvall, Edward B	316 S. 43d St., Philadelphia, Pa 5052 Ludlow St., Philadelphia, Pa	440
3AK	Duvell Edward B	20 E. Madison St., Baltimore, Md	250
3LC	Eberly Jacob A ir	2601 Columbia Ave Philadelphia Pa	250
3TF	Eberly, Jacob A., jr Ebert, Burton E	2601 Columbia Ave., Philadelphia, Pa 194 Atlantic St., Bridgeton, N. J	28
3MU	Eckard, Lewis D	1320 N. Carlisle St., Philadelphia, Pa	1,000
3FV	Edwards Charles	3345 Ella St., Philadelphia, Pa	120
3FO	Edwards, Charles E. I. du Pont De Ne-	10th and Market Sts., Wilmington, Del	448
0.777	mours Powder Co.	1110 Clammand Ot Didled-1-12 D	00
3IH	Eisele, Edward. jr	1110 Glenwood St., Philadelphia, Pa	66
3LU	Ellis, J. Elton	1116 Glenwood St., Philadelphia, Pa 1929 Hoffman St., Philadelphia, Pa 2204 N. 15th St., Philadelphia, Pa	1 000
3CR	Ellis, William G	215 C Weshington St. Deltimore Md	1,000
3AW	Ely, Harry S	215 S. Washington St., Baltimore, Md	275
3TJ	Emmerson, Frank V Erickson, Alfred O	419 High St., Portsmouth, Va	36 20
3KW 3LE	Evans, J. Arthur	3208 E. Broad St., Richmond, Va	495
3DR	Eyster, James A	317 Washington Ave., Haddonfield, N. J.	540
3UL	Essick, William W., jr.	520 Franklin St., Reading, Pa	15
SOL	LESSICK, WILLIAM W., Jr.	020 Franklin St., Iwauing, 18	, ,

Amateur Radio Stations—Third District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
3MJ	Falconer, Norwood B	1630 Bolton St., Baltimore, Md	60
3HT	Falkenberg, August E	512 Franklin Ter., Baltimore, Md	550
3LM	Faries, Walter R	Llankerris Rd., Bala, Pa	30
3CT	Farnham, Henry A	313 V St. NE., Washington, D. C 26 Bala Ave., Bala, Pa	250
3IZ	Faunce, B. Warren	20 Bala Ave., Bala, Pa	30
3OT	Faust, Elmer J	728 Hamilton St., Allentown, Pa	300
3TR	Fellows I Howard	19 Park Ave., Ogontz, Pa	300 23
3GM 3JU	Fellows, J. Howard Fenimore, Robert S	116 Dorchester Ave., Arlington, Md	24
3RC	Fenton, Edward T	Park Heights Ave., Baltimore, Md	330
3MG	Ferguson, William	10 Burlington St., Bordentown, N. J	80
3CH	Ferris, Malcolm	3409 Baring St., Philadelphia, Pa	16
3NR	Ferris, Malcolm	Haverford, Pa	154
3PW	Field, Harry P	219 39th St., Norfolk, Va	440
3NM	Finck, Anthony R	1120 Girard St., Philadelphia, Pa	36
3AB	Finck, Anthony R	Port Kennedy, Pa	90
30P	Fink, Louis, 3d	Laurel Springs, N. J	330
3ET	Fisher, Howes N	Laurel, Md	330
3DZ	Fisher, Roy S	3520 Disston St., Philadelphia, Pa	1,000
3HO	Fithian, William S., jr	313 E. Commerce St., Bridgeton, N. J	550
3BH	Flather, Bryan S	1358 South Carolina Ave. SE., Washing-	16
3TK	Flather Bruen S	ton, D. C. Weshington, D. C. (portable station)	10
3AL	Flather, Bryan S Flantia George F in	Washington, D. C. (portable station) 2023 Eastern Ave., Baltimore, Md	12 12
3UI	Flentje, George F., jr Fletcher, Edward	Parksley, Va	120
3VX	Flounders, Newton	Media, Pa.	60
3DN	France, A. Ward	3544 N. 18th St., Philadelphia, Pa	14
3RE	Frantz, Samuel G	64 Morningside St., Princeton, N. J	1 12
3GW	Frazier, George R. T	Janvier, N. J	30
3JM	Freedom, Leon	Franklin and 14th Sts., Baltimore, Md	500
3V8	French, Edward R., jr	231 9th St. SE., Washington, D. C	16
3EL	Fricke, Henry W. L	801 Aisquith St., Baltimore, Md	1,000
3NB	Frye, Marcus, jr	616 Elmer St., Vineland, N. J.	700
3QH	Fusselman, John	2436 W. Jefferson St., Philadelphia, Pa	18
3AE	Gaffney, James H	1427 E. Hoffman St., Baltimore, Md	80
3RO 3AY	Garver, Edwin H Gaskins, Richard W	118 East Ave., Hagerstown, Md	550 300
3CU	Gauss, Harry W	221 5th St. SE., Washington, D. C.	32
3VJ	Geibel, Henry J.	1243 N. 30th St., Philadelphia, Pa	16
3EC	Giffin, Sidney H	2614 N. Calvert St., Baltimore, Md	200
3UA	Gilbert, Harry P., jr	401 Washington St., Portsmouth, Va	220
3AZ	Gillingham, Geo. L., jr	4508 Richmond St., Bridesburg, Pa	440
3AR	Gilpin, Levering H	2702 N. Calvert St., Baltimore, Md	770
3AV	Glashoff, H. Irving	126 N. East Ave., Baltimore, Md	9
3SJ	Glenn, Charles R	1919 Penrose Ave., Baltimore, Md	24
3LO	Godfrey, Clarence M	915 14th St. SE., Washington, D. C	36
3IF	Godfrey, Earle	145 St. Charles Pl., Atlantic City, N. J	550
3NK 3FG	Godfrey, Howard L	2150 N. Corlies St., Philadelphia, Pa	30
	Godfrey, James M	49th St. and Florence Ave., Philadelphia, Pa.	500
3OY	Gompf, August P	Howardville, Md	64
3IB	Good, Horace D	419 Gordon St., Reading, Pa	24
3KB	Goodall, Alfred B	518 Rhode Island Ave. NE., Washington, D. C.	60
3OL	Grant, Arthur F	2112 Venango St., Philadelphia, Pa	100
3CB	Grant, Ulysses S	28 Church St., Newton, N. J.	90
3UO	Graves, Edwin D., jr	Marietta, Pa.	330
3KM	Gray, Gerald	92 Main St., Newton, N. J.	21
		329 Parker St., Chester, Pa	18
30E	Gray, Harry L	328 I alker St., Ollester, I a	10

Amateur Radio Stations—Third District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
AV.			Watts.
3LV	Griffin, Aloysius	706 Pine St., Bristol, Pa	36
3VK	Griffith, Dorsey J	3104 R St NW Washington D C	50
3PZ	Griffith Elmor G	3104 R St. NW., Washington, D. C	50
	Griffith, Elmer G	D. F. D. N. O. W. of Charles D.	
30C	Grover, H. Marshall	R. F. D. No. 9, West Chester, Pa	32
3PR	Hahn, Clarence LeRoy	200 N. Pulaski St., Baltimore, Md	12
3QF	Haig, J. Donald	118 E. Maple Ave., Merchantville, N. J	20
3QO	Hake, Elias G	614 Goepp St., Bethlehem, Pa	18
3QV	Hall, Robert S	Clarke's Lane, Arlington, Md	48
3RV	Hamill, McClintock, jr	1822 Spruce St., Philadelphia, Pa	18
3JT	Hampson, George M	731 Newington Ave., Baltimore, Md	100
3JY	Hann, Charles B	206 E. Proston St. Baltimore Md	250
		206 E. Preston St., Baltimore, Md	
3 HQ	Happold, Harold H	Union Ave., Bala, Pa	600
3PH	Harris, Edwin R	61 N. 61st St., Philadelphia, Pa	60
3LY	Harris, William J	23d and Howard Sts., Chester, Pa	25
3QW	Harsch, Lawrence P	Mt. Rainier, Md	480
3FM	Hartley, Milton E	635 E St. NE., Washington, D. C	18
3ID	Hasenfus, Joseph F	2328 N. Fairhill St., Philadelphia, Pa	75
3TG	Hatch, William B	1926 Corlies St., Philadelphia, Pa	36
3UN	Hayes, William F	Robbins Nest, Pa	64
	Haislar Coores F	1114 Monroe St. NW., Washington, D. C.	500
3BN	Heisley, George E	1114 Monroe St. Nw., Washington, D. C.	
3OD	Hemmann, William C	176 Hampton St., Bridgeton, N. J	500
3BJ	Henderson, Frank	813 Highland Ave., Philadelphia, Pa	275
3RK	Hepler, Walter R	31 E. James St., Lancaster, Pa	48
3SZ	Herndon, Landon C	31 E. James St., Lancaster, Pa	25
3HM	Hickman, Paul W Hicks, A. Willet, jr	1917 Green St., Philadelphia, Pa	330
3JO	Hicks A Willet ir	1275 S. Madison St., Allentown, Pa	60
3CI	Hillers, John K	238 1st St. SE., Washington, D. C	72
300	Hindin Louis M	1615 S. 5th St., Philadelphia, Pa	18
	Hindin, Louis M	Transferd D	
3ND	Hirst, Arthur C	Haverford, Pa	400
3MF	Hitchner, Clyde G	405 8th St., Vineland, N. J	32
3JX	Hoagland, Donald	43 Lake St., Bridgeton, N. J	180
3RU	Hoff, J. Marshall	4909 Knox St., Philadelphia, Pa Cold Spring, N. J.	36
3BT	Hoffman, W. Hollis	Cold Spring, N. J.	18
3KK	Hofmann, George A	Engle Ave., Burlington, N. J	60
3AQ	Hogan, Harold O	2630 Guilford Ave Baltimore Md	225
3MN		2630 Guilford Ave., Baltimore, Md 800 White Horse Pike, Oaklyn, N. J	12
	Hollinshead, Norman B.	100 D Ct CE Walter D C	
3PS	Holt, Clarence J	136 D St. SE., Washington, D. C	36
3KT	Holtzinger, Horace K	5th and Spring Garden Sts., Philadelphia, Pa.	9
3SF	Hookey, Anthony C	1727 Girard Ave., Philadelphia, Pa	125
3US		122 32d St., Newport News, Va	600
	Hopkins, James R	2420 Nicholog Ct Dhiladalphia Da	
3GU	Hopkins, Robert E	2428 Nicholas St., Philadelphia, Pa 5909 Green St., Philadelphia, Pa 221 Park Ave., Swarthmore, Pa	36
3SC	Hopper, Sterling A	5909 Green St., Philadelphia, Pa	30
3PX	Howard, H. Trumbull	221 Park Ave., Swarthmore, Pa	50
3UP	Howlett, Joseph T. F	2303 N. Broad St., Philadelphia, Pa.	100
		(portable station).	
3UQ	Howlett, Joseph T. F	Mt. Pocono, Pa	1,000
3UF		2303 N. Broad St., Philadelphia, Pa	330
20Y	Howlett, Joseph T. F	145 F. Washington Lone Philadelphia	130
3CY	Hubbs, Edwin E	145 E. Washington Lane, Philadelphia, Pa.	130
3FW	Hunter, Edwin J	2429 E. Cumberland St., Philadelphia, Pa.	385
3QQ	Husk, Dayton E	34 John St., Dorranceton, Pa	425
3MZ	Hustod Mostimon I	9 Dorohostor Rd Roltimore Md	40
	Husted, Mortimer I	9 Dorchester Rd., Baltimore, Md	
3FX	Hutchinson, Samuel J	944 Maple Ave., Collingswood, N. J	440
3SE	Hyatt, C. Brown	310 Carlisle Ave., York, Pa	330
3LB	Iddings, Frederick T	1608 Linden Ave., Baltimore, Md	990
3CJ	Imfield, Fred H	117 N. 6th St., Philadelphia, Pa	330
3IE	Jacobson, Bernard H	3803 Park Heights Ave., Baltimore, Md	550
3HW	James, Herman	239 Kaighn Ave., Camden, N. J	15

Amateur Radio Stations—Third District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
3BL	Jaquett, Maurice J	3156 N. Carlisle St., Philadelphia, Pa	18
3RY	Jarvis, Thomas R	508 Cedar Lane, Swarthmore, Pa	40
3CS	Johnson, Burch R	Oak Lane, Pa	330
3IG	Johnson, Earle K	127 North Carolina Ave., South, Atlantic	150
3OG	Jones, John W	City, N. J. 328 Cooper St., Camden, N. J	30
3NP	Jones, La Frantz	923 French St., Wilmington, Del	24
3GG	Jones, Winters	728 N. Monroe St., Baltimore, Md	12
3TZ	Kellert, Charles	1208 St. Matthew St., Baltimore, Md	24
3CV	Kelley, George W., jr	1738 N. 16th St., Philadelphia, Pa	275
3KC	Keney, George W., Jr	1019 N. Milton Ave. Deltimore Md	
	Kendall, Raymond V	1813 N. Milton Ave., Baltimore, Md	20
3OB	Kennedy, Ignatius L	28 S. Market St., Frederick, Md	24
3EP	Kennedy, Joseph H Kenyon, Walter R	2052 E. Fletcher St., Philadelphia, Pa	275
3SH	Kenyon, Walter R	2052 E. Fletcher St., Philadelphia, Pa 1838 Columbia Ave., Philadelphia, Pa	511
3OK	Kerr, William C	Frederick Rd., Catonsville, Md	24
3TT	Kindt, Charles F., jr	301 Washington Lane, Jenkintown, Pa	275
3MM	King, Albert	209 St. Mary St., Burlington, N. J	250
3RP	Kirby, Elmer S	5300 Glenmore Ave., Philadelphia, Pa	20
3RH	Kline, H. N. Gay	Central Ave., Sea Isle City, N. J	550
3LX	Knight, A. Stanley	Central Ave., Sea Isle City, N. J	18
3KX	Knight, G. Webber, jr	1545 Walnut St., Harrisburg, Pa	1000
3IQ	Knoll, Lloyd M	3260 Chestnut St. Philadelphia Pa	40
3VB	Knowles, Edward P., jr.	648 Princeton Ave., Trenton, N. J	18
3JN	Korab, Harry E	648 Princeton Ave., Trenton, N. J. 418 W. Clay St., Richmond, Va.	490
3FQ	Krainer, John B	Washington St., Laurel, Md	330
3BB	Kralovec, Dalibor	3535 N. Water St., Philadelphia, Pa	32
3HX	Kratz, Herman A	3535 N. Water St., Philadelphia, Pa 2001 W. Pratt St., Baltimore, Md	173
3TY	Krone, Julian E	2908 West Ave., Newport News, Va	24
3EI	Kumler, Kelvin C	Kensington, Md	330
3ML	Kutz, Charles E	1804 Green St., Harrisburg, Pa	1,000
3CF	Laager, Creston F	1029 Belmont Ave., West Philadelphia, Pa	18
3GV	Laber, Joseph M	2422 N Gratz St. Philadelphia Pa	18
30S	Lafferty, Francis A	2422 N. Gratz St., Philadelphia, Pa 1717 Ingersoll St., Philadelphia, Pa	18
3GZ	Laird, J. Ira	25 Strode Ave Coatesville Pa	30
3VD	Lamb, Franklin	25 Strode Ave., Coatesville, Pa	200
3ME	Lamdin, Charles R	4016 Edmondson Ave., Baltimore, Md	500
3QG	Landis, Harold O	341 N. Front St., Reading, Pa	36
3TC	Landis, Harry	2436 Corlies St. Philadelphia Pa	36
3CW	Lange, J. Robert	2436 Corlies St., Philadelphia, Pa 1938 Lemmon St., Baltimore, Md	16
3QC	Lanning, John M	77 E. Commerce St., Bridgeton, N. J	550
3ER	Larrimore, James F	1814 N Calvert St Beltimore Md	550
3RZ	La Rue Lester I	1814 N. Calvert St., Baltimore, Md 701 Washington St., Hackettstown, N. J	15
3RJ	La Rue, Lester J La Rue, Robert G	264 Main St., Hackettstown, N. J	7
3EB	La Salle College	1240 N. Broad St., Philadelphia, Pa	715
380	Law, Bartley H	201_A S 171 St Reading Pa	30
3VI	Laws, J. Waltham, jr	301–A S. 17½ St., Reading, Pa	36
3VO	Leayman, Charles S	Girard College Philadelphia Pa	306
3JV		Girard College, Philadelphia, Pa	36
3BZ	Lehr, William	68th and Jefferson Sts., Philadelphia, Pa	36
3TW	Leister, Fayette Leslie, Malcolm C	740 Ashuwi Avo Ocean City N I	
3LA	Levin Davis	749 Asbury Ave., Ocean City, N. J	18 30
3OH	Levin, Davis	44 S. Bond St., Baltimore, Md	20
3RB	Levy, LewisLewis, Ellis	658 Linden Ave Vork Do	880
3UU		658 Linden Ave., York, Pa	880
3DW	Lewis, Joseph W	26th and Master Sts., Philadelphia, Pa	45
3UX	Lowery, Norman S	1406 3d St. NW., Washington, D. C 2215 Hunting Park Ave., Philadelphia, Pa	
3DI	Loughlin, John K		16
3DX	Lukons Wilfred P	2838 27th St. NW., Washington, D. C	330
3PM	Lukens, Wilfred PLusse, Richard N	527 Spring Mill Ave., Conshohocken, Pa 2855 N. 8th St., Philadelphia, Pa	605

Amateur Radio Stations—Third District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
27.0	Trees Harry H	The state of the s	Watts.
3LG 3GH	Lyon, Harry H	Hyattsville, Md	500
3DM	MacDonald, Stuart MacFeeters, John	1529 N. Gretz St. Philadelphia, Pa	330
3EQ	Mac Kendrick, Robert G.	1538 N. Gratz St., Philadelphia, Pa	32
3SG	Maris, Carroll B	307 Amos Land Rd., Holmes, Pa	1,000
3ES	Martin, E. Linton	315 Radcliffe St., Bristol, Pa.	18 64
3LK	Martin, Robert C	2500 N. 19th St., Philadelphia, Pa	25
3ON	Matos, Walter A	309 College Ave., Swarthmore, Pa	120
3D0	Maxson, Donald L	Kensington, Md	330
3GS	McCaskey, Edward R McClellan, Frederick W.	750 S 60th St. Philadelphia Pa	72
3JL	McCaskey, Edward R	1029 Main St., Darby, Pa. 180 Main St., Hackettstown, N. J.	500
3RL	McClellan, Frederick W.	180 Main St., Hackettstown, N. J	6
3LZ	McCullough, Earl N	125 N. Gross St., Philadelphia, Pa	10
3DP	McDonald, Lester B	36 E. Tulpehocken St., Philadelphia, Pa. 705 Bath St., Bristol, Pa. 3014 W. York St., Philadelphia, Pa	3 30
3KA	McEuen, Earl W	705 Bath St., Bristol, Pa	100
3PK	McGear, Herbert K	3014 W. York St., Philadelphia, Pa	18
3EY	McIntyre, William McKee, W. Wesley	Oak Lane, Pa.	440
3MB		1411 W. Ontario St., Philadelphia, Pa	18
3VR 3GL	McVicker, W. Patton Meck, Michael	635 Mohawk Ave., Norwood, Pa	1,000
3IM	Mellon, Charles E	116 Pennsylvania Ave., Coatesville, Pa	36
3RA	Messinger, Miles B	309 N. Linden St., Bethlehem, Pa.	950 24
3PD	Meyer Emil J	1919 Green St., Philadelphia, Pa.	36
3AC	Meyer, Emil J Miller, Alfred H	6358 McCallum St., Philadelphia, Pa	18
3DY	Miller, Frederick E	3134 N. Rosewood St. Philadelphia Pa	18
3GQ	Miller, Kelly, jr.	3134 N. Rosewood St., Philadelphia, Pa. 430 College St. NW., Washington, D. C. 1526 2d Ave., York, Pa.	15
3TĎ	Miller, Harry G	1526 2d Ave., York, Pa	500
3NU	Mitchener, Frederick D.	119 Pond St., Bristol, Pa	100
3IW	Mitchener, Harold G	528 Swain St., Bristol, Pa	18
3AI	Mohr, Paul D	537 Chestnut St., Emaus, Pa.	15
3CK	Moody, Matthew C	2511 S. 7th St., Philadelphia, Pa	12
3OM	Mooney, John, jr Moore, Daniel D	2903 Girard Ave., Philadelphia, Pa	36
3EK	Moore, Daniel D	2308 N. Charles St., Baltimore, Md	250
3NQ	Morley, Augustin H	1008 McKean St., Philadelphia, Pa	27
3IC	Morris, Edward P	3114 D St., Philadelphia, Pa.	18
3UD	Mundy, Elmer	21 W. Airy St., Norristown, Pa.	275
3HS 3DL	Murray, Eugene M Muth, Gerard J	Grays Lane, Haverford, Pa	990
3KP	Myora Roy R	16 Melvin Ave., Catonsville, Md Main St., South Perkasie, Pa	330
3MI	Myers, Roy R Nash, Clifford S	3615 N. 19th St., Philadelphia, Pa	72 18
30V	Nees, Milton	560 Chester Ave Norwood Pa	36
3QY 3TI	Nichols, Crawford V	560 Chester Ave., Norwood, Pa	30
3HL	Nielsen, Harold, ir	8751 Frankford Ave., Holmesburg, Pa	18
3VÜ	Nikirk, Thomas E.	411 12th St. SE., Washington, D. C.	20
3RX	Nikirk, Thomas E Nisley, Paul H	2406 6th St., Harrisburg, Pa	40
3KD	Noel, James F	228 2d St. NE., Washington, D. C	72
3GO	Norcross, Earl L	216 Roberts Ave., Glenside, Pa	250
3QA	O'Brien, Francis J	216 Roberts Ave., Glenside, Pa	500
3VZ	Orlando, Frank	1948 S. 11th St., Philadelphia, Pa	16
3UY	Orlando, Frank	Rockford, Wilmington, Del	72
3HE	Parks, Laurence W	3812 Hamilton St., Philadelphia, Pa	12
3DS	Parks, Walther A	901 Lawrence St. NE., Washington, D. C.	500
3AT	Parsons, Harry S	13 N. Carey St., Baltimore, Md	9
3NE	Passano, Leonard W	2504 Maryland Ave., Baltimore, Md	330
3OW	Patchel, Robert E	532 S. 15th St., Philadelphia, Pa	40
3AP	Patzschke, August	Old Harford Rd., Hamilton, Md 204 N. New St., Nazareth, Pa	990
3CG 3IL	Pauly, Robert Pawson, James M	336 W. Logan St., Philadelphia, Pa	18 24
3MT	Peck, G. Warren	2531 Shirley Ave., Baltimore, Md	300

Amateur Radio Stations—Third District—Alphabetically by Owners of Stations—Continued.

3GI 3PN 3TO			
3PN	TO 11 TO 1 TO	and IT I DI WIN WILL BY B	Watts.
	Pelham, Fred B	603 Howard Pl. NW., Washington, D. C	74
	Pemberton, Henry R	1008 Clinton St., Philadelphia, Pa	36
	Pent, Robert E	305 w yncote Rd., Jenkintown, Pa	36
3DB	Perry, Willard P., jr	Titusville, N. J.	48
3DA	Peterson, Raymond E	1602 S. Frazier St., Philadelphia, Pa 3208 West Ave., Newport News, Va	16
3UK	Peyser, Philip S	3208 West Ave., Newport News, Va	24
3IX	Philadelphia School of Wireless Telegraphy.	Philadelphia, Pa.	495
3RM	Phillips, Albert L	612 N. 2d St., Reading, Pa	128
3AD	Phillips, William J	1530 Orleans St., Baltimore, Md	250
3TA	Piper, S. Webster	133 E. Antietam St., Hagerstown, Md.,	200
3LD	Pisani, Sylvester	226 N. ('alhoun St., Baltimore, Md 662 Stanbridge St., Norristown, Pa	36
3НН	Place, Samuel W	662 Stanbridge St., Norristown, Pa	660
3MW	Poalk, James I, jr	325 Summit Ave., Jenkintown, Pa	60
3NF	Pohlig, William T	Bala, Pa	275
3SP	Poalk, James I, jr	33 E. Walnut Ave., Merchantville, N. J	20
3OJ	Pool, J. Alexander	114 E. Montgomery Ave., Ardmore, Pa	.33
3TE	Poorman, Arthur E	Second St., Highspire, Pa	275
3 <u>PF</u>	Postpichal, Otto I	1617 S. 16th St., Philadelphia, Pa	26
3E H	Powell, Edwin H	1206 E. Capitol St., Washington, D. C 2814 St. Paul St., Baltimore, Md 21 R St. NW., Washington, D. C	36
3EJ	Primrose, Donald L	2814 St. Paul St., Baltimore, Md	440
3PG	Proudley, Charles E	21 R St. NW., Washington, D. C	32
3IA	Puff, Stephen F	222 WIIdwood Ave., WIIdwood, N. J	60
3FE	Rabl, Samuel	419 3d St., Baltimore, Md	30
3NS	Radio Apparatus Co	258 Beech St., Pottstown, Pa	1,000
3NT	Rafferty, John A	642 Pine St., Bristol, Pa	24
3KU	Rakestraw, Charles E., jr.	642 Pine St., Bristol, Pa	440
3RN	Ramsey, Howard N	96 W. Sharpnack St., Philadelphia, Pa	30
3VC	Rancetelli, Ernani	1151 S. 9th St., Philadelphia, Pa	66
3KR	Rede, G. Ross	210 W. Madison St., Baltimore, Md	100
3RW	Redgrave, De Witt C Reiff, W. Norman	1505 Bolton St., Baltimore, Md	250
3EF	Rein, W. Norman	916 Fayette St., Conshohocken, Pa	330
3SA	Requa, Fred A	4112 Frederick Ave., Baltimore, Md	272
3QE	Dichards, Chit R., Jr	9 W. Irving St., Chevy Chase, Md	330
3DK 3BF	Richardson, Thomas L.	Quarantine, Curtis Bay, Md	30
3HY	Richter, Harry A	2014 W Prote St. Doleinson Md	60
3JC	Richwien, Louis C	147 Ronk St. Dridgeton N. J.	24
	Riley, Arthur S	147 Bank St., Bridgeton, N. J.	385
3NV	Roberts, Harold A Robey, V. C. K	Kromer Ave., Berwyn, Pa	250
3GX	Robinson Goorge C	607 N 10th St Dichmond Vo	1,000
3QS	Robinson, George C Roekens, Noel H Roeller, Harold C	607 N. 10th St., Richmond, Va	108 330
3ŘŘ	Roeller Harold C	Glenside, Pa	280
3GB	Rohrich, George J	Bethesda, Md.	440
	Rose, Harold W	2602 Connecticut Ave., Washington D. C.	330
3UV	Ross, John W	1314 Lewellyn Ave., Norfolk, Va	440
	Rothman, Charles	1837 Wilhelm St., Baltimore, Md	18
	Rynick, George M., jr	Catonsville, Md	460
3EW	Scheffey Ralph R	346 Lafayette St., Bristol, Pa	250
3FK	Scheffey, Ralph B Schleher, Paul H	1912 N. Marvine St., Philadelphia, Pa	42
	Schlichting, E. N. E	224 E Burk Ave Wildwood N J	30
	Scholl, Warren	224 E. Burk Ave., Wildwood, N. J. 179 Kalos St., Wissalrickon, Pa. 721 Peach St., Vineland, N. J.	54
	Schramm, Carl	721 Peach St. Vineland N I	330
	Schuck, Leon H.	2441 N. 8th St., Philadelphia, Pa	550
	Schultz, Henry	14 S. Arlington Ave. Reltimore Md	275
3OU	Schwering Harry C ir	14 S. Arlington Ave., Baltimore, Md 1533 S. 16th St., Philadelphia, Pa	26
3GT	Schwering, Harry C., jr. Searle, William J., jr	164 Harrison Ave. Glenside Pa	300
3SU	Seeley, Alfred J	164 Harrison Ave., Glenside, Pa 241 N. Wilton St., Philadelphia, Pa	18
3VT	Seidenberg, Frank	4219 Parrish St., Philadelphia, Pa.	72

A mateur Radio Stations—Third District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
alaw .			Watts.
3SQ	Sellers, William, jr	115 Glenn Rd., Ardmore, Pa	250
3QZ	Service. Charles A., ir	Bala, Pa	550
3SD	Shafer, Albert G	201 Śylvan St., Rutledge, Pa	15
3SL	Shaw, Lemuel A	514 D St. SE., Washington, D. C	24
3EU	Shelley, F. Cheston	2612 Hampden St., Baltimore, Md	40
3LF	Shreiner, Carl H	37 E. James St., Lancaster, Pa	50
3OR	Signor, Frederick H	717 7th St. SE., Washington, D. C	36
3FD	Simon, Walter	1234 Carroll St., Baltimore, Md	36
		4559 Duladri Ava Dhiladalphia Da	36
3SX	Simons, Joseph M	4553 Pulaski Ave., Philadelphia, Pa	24
3RQ	Skene, Andrew A	4717 Northwood Ave., Philadelphia, Pa.	
3PP	Skinner, William H	117 Glenn Rd., Ardmore, Pa	12
3NO	Sleath, Robert W	305 Schuylkill Ave., Reading, Pa	6
3DQ	Smith, G. Victor	300 Mill St., Bristol, Pa	800
3PU	Smith, Hubert B	1721 N. 17th St., Philadelphia, Pa	330
3DF	Smith, Randolph	2647 N. Calvert St., Baltimore, Md	360
3FH	Smith, Sewall P	Wyndcrest Ave., Catonsville, Md	440
3UE	Smith, William M., jr	433 King St., Portsmouth, Va	54
3HG	Smith, William M., jr Smith, W. P	715 N. 49th St., Philadelphia, Pa	250
3JR	Snow, Harold A	4715 Wisconsin Ave., Washington, D. C	30
3IK	Snyder, Harry H	Cold Spring, N. J	60
3EG	Snyder, James R	319 Vassar Ave., Swarthmore, Pa	550
3DH	Stahl, Harry E., jr	275 Bellevue Ave., Trenton, N. J	200
3KI	Stanley, John S	Laurel, Md	500
		800 N. 63d St., Philadelphia, Pa	24
3VY	Stannard, Charles F., jr.		
3BY	Statz, Henry M	709 Euclid St. NW., Washington, D. C	48
3GY	Staub, James	Sluice Rd., Burlington Township, N. J	60
3NY	Steele, Sherman E	122 S. Queen St., Lancaster, Pa	200
3BC	Stephen C. Chester	Laurel Springs, N. J.	72
3HI	Stepp, John W	630 Morton St. NW., Washington, D. C	48
3JP	Sterns, Morton W	29 N. Main St., Bethlenem, Pa	1,000
3VH	Stickell, Daniel R	449 Potomac Ave., Hagerstown, Md	550
3HK	Stokes, Josiah T	15 W. Stiles Ave., Collingswood, N. J	24
3UM	Strailman, Gilbert T	649 29th St., Newport News, Va	18
3PQ	Strieby, Malcolm	112 Rutgers Ave., Swarthmore, Pa	1,000
3IT	Stritzel, Alfred H	12 North Carolina Ave., South, Atlantic	250
910	Stumptner Albert G	City, N. J. Old Harford Rd., Hamilton, Md	440
3AS	Stumptner, Albert G		60
3QR	Sullivan, Frank J	2233 S. Carlisle St., Philadelphia, Pa	
3TH	Tabb, Vincent W	26 Court St., Portsmouth, Va	30
3OF	Talbot, George L	506 14th St., Highlandtown, Md	165
3DE	Tallman, Frank G., jr	1102 Broome St., Wilmington, Del	550
3QL	Tapley, Robert E	Hampton Court, Norfolk, Va	18
3GC	Taylor, B. Irving	300 Hillside Ave., Jenkintown, Pa	20
3HB	Taylor, Sidney L. M	321 Mohawk Ave., Norwood, Pa	120
3UC	Teller, Leslie W	4012 7th St. NW., Washington, D. C	210
3HC	Thackery, Samuel J	4232 Paul St., Philadelphia, Pa	18
3HR	Thornton, Earl H	131 E. Durham St., Philadelphia, Pa	550
3NG	Tichenor, George C Toboldt, William K	123 S. Chester Rd., Swarthmore, Pa	15
3CX	Toboldt, William K.	2412 N. 16th St., Philadelphia, Pa	72
3IY	Tolbert, Warren	7037 Hegerman St., Philadelphia, Pa	24
3VF	Tompkins, E. Randolph.	526 9th Ave. SW., Roanoke, Va	350
OTT	Torrisi, Salvatore	1710 S. 11th St., Philadelphia, Pa	32
			315
3AH	Treide, Carl L	2402 E. Baltimore St., Baltimore, Md	
3RS	Tripp, George B., jr	113 S. Front St., Harrisburg, Pa	300
3GK	Troth, Raymond H	3350 N. 18th St., Philadelphia, Pa	36
3MQ	Trumbower, Raymond	24 Collingswood Ave., Oaklyn, N. J	18
3TS	Turner, Alfred W Uphoff, Frank B	61 Hampton St., Bridgeton, N. J 3649 York Rd., Philadelphia, Pa	18
3DV	Uphoff, Frank B	3649 York Rd., Philadelphia, Pa	18
3VQ	Uphoff, Frank B	87-89 Thorofare Ave., Margate City, N. J	30

Amateur Radio Stations—Third District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power
			Watts.
3VW	Uphoff, Frank B	Philadelphia, Pa. (portable station)	1
3OA	Urner, Joseph W	215 E. 2d St., Frederick, Md	2
3KV	Van Duyne, Carlton	163 Lake Ave. Boonton N. J.	250
3CM	Van Horn, J. Clunn	163 Lake Ave., Boonton, N. J	500
3LL	Van Horn I Orvillo	1427 N. 17th St., Philadelphia, Pa	1:
	Van Horn, J. Orville	Cookeyeville Md	250
3SB	Van Hulsteyn, J. M. C	Cockeysville, Md	
3QM	Varnes, Earl W		48
3RF	Vaughan, Charles A	118 Pastorius St., Philadelphia, Pa	30
3TN	Venn, Silas N	900 Vandever Ave., Wilmington, Del	250
3IN	Vogel, Charles C	1244 N. Taney St., Philadelphia, Pa	18
3KL	Wagner, William H	121 Obold St., West Reading, Pa	18
3LW	Waite, John W	2938 N. 3d St., Philadelphia, Pa	58
3IR	Wallace, Lewis J	2728 Poplar St., Philadelphia, Pa	18
3AN	Walsh, Maurice L	819 W. Lexington St., Baltimore, Md	1,000
3PO	Watson, James B	2412 S. Rosewood St., Philadelphia, Pa	54
3VN	Ways, Clarence I	10 Hanover St., Cumberland, Md	550
3AG	Weant Clarence H	1546 Aisquith St., Baltimore, Md	278
3IS	Weaver, Howard A	5545 Webster Ter., Philadelphia, Pa	24
3QP	Weber, Henry M		18
3FC	Weik, Charles F	Mt. Rainier, Md	24
3LH	Weiss, Leonard	1608 South St., Philadelphia, Pa	40
3NX	Wells, John M	6118 Boynton St., Philadelphia, Pa	42
3DT	Wells, John M		495
3AF	Wells, William C., jr West, William M	124 S. 66th St., Philadelphia, Pa	
	West, William M	1407 N. Central Ave., Baltimore, Md	105
3FI	Wever, John A	238 S. Patterson Park Ave., Baltimore, Md.	21
3KQ	Wexler, Bernard	431 Dickinson St., Philadelphia, Pa	495
3CZ	Wheatley, Douglas N	405 N. 32d St., Philadelphia, Pa	48
3MY	Wheeler, William A	208 9th St. NE., Washington, D. C	500
3MV	Whitaker, Lorenzo D	937 14th St. SE., Washington, D. C	36
3DG	White, Norman P	19 General Greene Ave., Trenton, N. J	18
3OX	Wick, Arthur	2406 S. Percy St., Philadelphia, Pa	12
3NJ	Wicks, Preston S	2206 Ruskin Ave., Baltimore, Md	550
3CD	Widmyer, John H	1 S. Duke St., Lancaster, Pa	16
3FL	Wiler, William L	1735 Arch St., Philadelphia, Pa	15
3SI	Williams, Harvey	3523 N. 18th St., Philadelphia, Pa	1,000
3KS	Williams, John McC	Elkridge, Md	16
3IV	Wilson, Willard S	705 Adams St., Wilmington, Del	490
3MK	Wilson, William P	2400 Barclay St., Baltimore, Md	60
3AM	Wise, Leonard J	419 N. Patterson Park Ave., Baltimore, Md	80
3HA	Wiseman, Luther B	330 W St. NW., Washington, D. C	16
3HU	Witmer, Charles T	133 W. Buttonwood St., Phildelphia, Pa.	330
3JD	Wolcott, Roger G	224 41st St., Norfolk, Va	440
3MC	Wolf, Henry S	2405 E. Fairmount Ave., Baltimore, Md	550
3BS	Wolff, William J	2422 S. Iseminger St., Philadelphia, Pa	24
30I		906 Prospect Ave., Bethlehem, Pa	330
3VG	Wolle, Aubrey B Wood, Frederick B		330
		Bryn Mawr, Pa	
3GR	Wood, Richard M	Keyworth Ave., Baltimore, Md	330
3QX	Worcester, Paul S	1941 Green St., Harrisburg, Pa	40
3DD	Work, Ashton G	807 St. Charles Pl., Ocean City, N. J	250
3KJ	Worrest, Howard A	629 N. Duke St., Lancaster, Pa	130
3FU	Wunder, William F	6211 Germantown St., Philadelphia, Pa	80
3CQ	Yeager, George R Young Men's Christian	718 S. American St., Philadelphia, Pa	50
3TB	Young Men's Christian Association.	10th and Orange Sts., Wilmington, Del	330
3NA	Zang, Joseph A., jr	700 N. 37th St., Philadelphia, Pa	440
3QN	Zinszer, Harvey A	920 S. 6th St., Allentown, Pa	120
3PB	Zorger, Daniel H	409 Kelker St., Harrisburg, Pa	1,000
			1,000

AMATEUR RADIO STATIONS—THIRD DISTRICT—Continued. ALPHABETICALLY BY CALL SIGNALS.

allsignal.	Owner of station.	Call signal.	Owner of station.
3A.A	Ashmore, John W.	зсн	Ferris, Malcolm.
3AB	Finck, Anthony R.	3CI	Hillers, John K.
3AC	Miller, Alfred H.	3ČĴ	Imfield, Fred H.
3AD	Phillips, William J.	3CK	Moody, Matthew C.
3AE	Goffney James H	3CL	Coleman, Walter V.
3AF	Gaffney, James H. West, William M.	3CM	Van Horn, J. Clunn.
3AG	Weent Clarence H	3CN	Aghton I con W
3AH	Weant, Clarence H.		Ashton, Leon W.
SAI	Treide, Carl L. Mohr, Paul D.	3CO 3CP	Campbell, James S.
	Monr, raul D.		Bunting, George M., jr. Yeager, George R.
3AJ	Bausman, George H.	3CQ	reager, George R.
3AK	Duvall, Edward B.	3CR	Ellis, William G.
3AL	Flentje, George F., jr.	3CS	Johnson, Burch R.
3AM	Wise, Leonard J.	3CT	Farnham, Henry A.
3AN	Walsh, Maurice L.	3CU	Gauss, Harry W.
3AO	Collier, Wilbur H.	3CV	Kelley, George W., jr.
3AP	Patzschke, August.	3CW	Lange, J. Robert.
3AQ	Hogan, Harold O.	3CX	Toboldt, William K. Hubbs, Edwin E.
BAR	Gilpin, Levering H.	3CY	Hubbs, Edwin E.
BAS	Stumptner, Albert G.	3CZ	Wheatley, Douglas M.
3AT	Parsons, Harry S.		
BAU	Schultz, Henry. Glashoff, H. Irving.	3DA	Peterson, Raymond E. Perry, Willard P., jr.
3AV	Glashoff, H. Irving.	3DB	Perry, Willard P., ir.
3AW	Ely, Harry S.	3DC	Bergen, Donald M.
BAX	Arner, Oscar Q.	3DD	Work, Ashton G.
BAY	Gaskins, Richard W.	3DE	Tallman, Frank G., jr.
BAZ	Gillingham, George L., jr.	3DF	Smith Randolph
	G, G. G. G. G. J., J.	3DG	White Norman P
3BB	Kralovec, Dalibor.	3DH	White, Norman P. Stahl, Harry E., jr.
3BC	Stephen, C. Chester.	3DI	Lowell, Percival D.
$\widetilde{\mathbf{3BD}}$	Allen, Percival R.	3DJ	Diggins, Edward P. G.
BE	Critchlow, Samuel T.	3DK	Richardson, Thomas L.
BF	Richter, Harry A.	3DL	Muth, Gerard J.
BBG	Clark, Edwin T.	3DM	MacFeeters, John.
BH	Flather Reven S	3DN	
BBI	Flather, Bryan S. Deery, Walter J.	3DO	France, A. Ward. Maxson, Donald L.
BJ	Henderson, Frank.	3DP	McDonald Lostor P
3BK		3DQ	McDonald, Lester B.
	Brown, Merritt M.		Smith, G. Victor.
3BL 3BM	Jaquett, Maurice J.	3DR	Eyster, James A. Parks, Walther A.
	Allen, George Y.	3DS	Tarks, Walther A.
BBN	Heisley, George E. Brady, John B.	3DT	Wells, William C., jr.
BBO	Drady, John B.	3DU	Baumann, Frank J.
BP	Blackwood, George C.	3DV	Uphoff, Frank B.
BBQ	Bugbee, Newton A.	3DW	Lowery, Norman S.
BR	Crothers, Harry W. Wolff, William J.	3DX	Lukens, Wilfred P. Miller, Frederick E.
BBS	Wolff, William J.	3DY	Miller, Frederick E.
BET	Hoffman, W. Hollis. Austrian, Harry D.	\parallel 3DZ	Fisher, Roy S.
BU	Austrian, Harry D.		
BBV	Bacon, Franklin F.	3EA	Brashears, Paul B.
BBW	Campbell, John W.	3EB	La Salle Ćollege.
BBX	Carpenter, C. E., jr.	3EC	Giffin, Sidney H.
BBY	Statz, Henry M.	3EF	Reiff, W. Norman.
BZ	Leister, Fayette.	3EG	Snyder, James R.
	, , ,	3EH	Powell, Edwin H.
3CA	Adelberger, Adrian J.	3EI	Kumler, Kelvin C.
3CB	Grant, Ulysses S.	3EJ	Primrose, Donald L.
3CC	Biddle, Howard L., jr.	3EK	Moore, Daniel D.
	, ,,, , , , , , , , , , ,		
	Widmver, John H.	II oru	
BCD BCF	Widmyer, John H. Leager, Creston F. Pauly, Robert.	3EL 3EM	Fricke, Henry W. L. Beaty, Lehman C.

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AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal Cowner of station.				
SEC Martin, E. Linton. SET Fisher, Howes N. Shelley, F. Cheston. SEV Shelley, F. Cheston. SEV Sheffey, Ralph B. SEY McIntyre, William L. SEZ Donovan, Edgar R. Davis, Edwin L. Darby, George B., jr. SFE Rabl, Samuel. SFE Rabl, Samuel. SFF Rabl, Samuel. SFF Simon, Walter. SFF Godfrey, James M. SFH Smith, Sewall P. SFH Wever, John A. SFH Sentie, Ravillam L. SFH William L. SFH William L. SFH Wever, John A. SFI Wever, John A. SFI Senther, Paul H. SFI Wever, John B. Deichmiller, Alvin. SFO E. I. du Pont De Nemours Powder Co. SFQ Krainer, John B. SFR Denston, E. Craig. SFS Durkee, Alfred C. SFT Dudley, De Witt C. SFT Uwinder, William F. SFW Hunter, Edwin J. SHE Mackeray, Samuel J. Stokes, Joseiah T. Stokes, Joseiah T. SHW Stokes, Joseiah T. SHW Hickman, Paul W. Sto	Call signal.	Owner of station.	Call signal.	Owner of station.
SEC Martin, E. Linton. SET Fisher, Howes N. SEU Shelley, F. Cheston. SEV Shelley, F. Cheston. SEZ Donovan, Edgar R. SPA Davis, Edwin L. SFB Darby, George B., jr. SFC Weik, Charles F. SFC Weik, Charles F. SFF Godfrey, James M. SFH Smith, Sewall P. SFI Wever, John A. SFH Smith, Sewall P. SFI Weiver, John A. SFB Deichmiller, Alvin. SFN Deichmiller, Alvin. SFO E. I. du Pont De Nemours Powder Co. SFQ Krainer, John B. Deichmiller, Alvin. SFW Under, William F. SFF Dwinder, Charles B. SFW Hutter, Edvin J. SFW Hutter, Edvin J. SFW Hutter, Garles B. SFW Hutter, Edvin J. SFW Hutter, Edvin J. SFW Hutter, Edvin J. SFW Hutter, Garles B. SGG Row, Millers, Robert E. SGG Miller, Kelly, jr. SGG Mockafferty, Roa B. SGC Mockafferty, Roa B. SGC Mockafferty, Robert E. SGC Mockafferty, Rob		Kennedy, Joseph H.	ЗНА	Wiseman, Luther B.
JENE Martin, E. Linton. JEV Shelley, F. Cheston. JEV Brannan, Julian L. JEV Brannan, Jeulian Jeulia		MacKendrick, Robert G.		Taylor, Sidney L. M.
SET Fisher, Howee N. SEV Shelley, F. Cheston. SEV Shelley, Rajoh B. Stokes, Josiah T. Simon. Walter. SHM Stokes, Josiah T. SHM Stokes, Josiah T. Simon. Walter. Stokes, Josiah T. Simon. Walter. SHM Shutck, Leng. Herbald, Jr. Shoul, James M. Shuthing, Palley. Shoul, James M. Shoul, Jame		Larrimore, James F.	3HC	Thackeray, Samuel J.
SEU Sheley, F. Cheston. SEV Shelley, F. Chesto		Martin, E. Linton.		
SEU Shelley, F. Cheston. SEV Brannan, Julian L. Scheffey, Ralph B. Servanan, Julian L. Scheffey, Ralph B. McIntyre, William. Donovan, Edgar R. SPA Davis, Edwin L. Darby, George B., jr. Weik, Charles F. Simon, Walter. SFE Rabl, Samuel. Dempster, Warren J. Godfrey, James M. SFH SFH SFH SFH SFH SFN Deichmiller, Alvin. SFL du Pont De Nemours Powder Co. Krainer, John B. Denston, E. Craig. Drike, Alfred C. SFU Wunder, William F. SFT Dudley, De Witt C. SFU Wunder, William F. SFW Hunter, Edwin J. SFY SFW Hunter, Edwin J. SFX SGG SGG Rohrich, George J. Godfrey, Larles B. SGG Taylor, B. Irving. SGG SGG SGC Machichael. SGG SGC Machichael. SGG MacCafferty, Rea B. SGGT SGG Miller, Kelly, jr. SGGU SGGV Miller, Kelly, jr. SGGU SGCO Miller, Kelly, jr. SGGU SGGV SGGC Miller, Kelly, jr. SGGU SGGC Miller,		Fisher, Howes N.		Smith, W. P.
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3GI Pelham, Fred B. 3GK Troth, Raymond H. 3GL Meck, Michael. 3GM Fellows, J. Howard. 3GN Board of Public Education, Philadelphia, Pa. 3GO Norcross, Earl L. 3GP Amig, Edward P. 3GR Wood, Richard, M. 3GS McCafferty, Rea B. 3GT Searle, William J., jr. 3GU Hopkins, Robert E. 3GV Laber, Joseph M. 3GW Frazier, George R. T. 3GY Staub, James. 3IV Wilson, Willard S. Mitchener, Harold G. Philadelphia School of Wireless Telegraphy. 3IX Ality, Arthur S. 3IV Wilson, Willard S. Mitchener, Harold G. Philadelphia School of Wireless Telegraphy. 3IZ Relegraphy. 3IZ Rolling, August, Earl W. 3ID Wolcott, Roger G. 3IJ Burdette, Aubrey W. 3IJ Burdette, J. 3IJ Burde		Jones, Winters.		Stritzel, Alfred H.
3GK Troth, Raymond H. 3GL Meck, Michael. 3GM Fellows, J. Howard. 3GN Board of Public Education, Philadelphia, Pa. 3GO Norcross, Earl L. 3GP Amig, Edward P. 3GQ Miller, Kelly, jr. 3GR Wood, Richard, M. 3GS McCafferty, Rea B. 3GT Searle, William J., jr. 3GU Hopkins, Robert E. 3GV Laber, Joseph M. 3GW Frazier, George R. T. 3GY Staub, James. 3IW Mitchener, Harold G. Philadelphia School of Wireless Telegraphy. 3IZ Tolbert, Warren. Saly Sly Wolcott, Roger G. SJD Wolcott, Roger G. SJG Wolcott, Roger G. SJG Burdette, Aubrey W. SIZ Scholl, Warren. Scholl, Warren. Brockman, Francis C. Burdette, Aubrey W. SJI Burdette, Aubrey W. SJI McCaskey, Edward R. SJM Freedom, Leon.				
3GL Meck, Michael. 3GM Fellows, J. Howard. 3GN Board of Public Education, Philadelphia, Pa. 3GO Norcross, Earl L. 3GP Amig, Edward P. 3GQ Miller, Kelly, jr. 3GR Wood, Richard, M. 3GS McCafferty, Rea B. 3GT Searle, William J., jr. 3GU Hopkins, Robert E. 3GV Laber, Joseph M. 3GW Frazier, George R. T. 3GY Staub, James. 3IX Philadelphia School of Wireless Telegraphy. 3IZ Tolbert, Warren. 3IZ August, Earl W. 3ID Wolcott, Roger G. 3JE Scholl, Warren. 3JG Scholl, Warren. 3JG Burdette, Aubrey W. 3JI Bergmann, Francis C. 3JI Bergmann, Frederick J. 3GX Staub, James.	: I: I			
3GM Fellows, J. Howard. 3GN Board of Public Education, Philadelphia, Pa. 3GO Norcross, Earl L. 3GP Amig, Edward P. 3GQ Miller, Kelly, jr. 3GR Wood, Richard, M. 3GS McCafferty, Rea B. 3GT Searle, William J., jr. 3GU Hopkins, Robert E. 3GV Laber, Joseph M. 3GW Frazier, George R. T. 3GY Staub, James. Telegraphy. 3IY Tolbert, Warren. Faunce, B. Warren. Supplied Wolcott, Roger G. 3JD Wolcott, Roger G. 3JD Wolcott, Roger G. 3JE Scholl, Warren. 3JH Brockman, Francis C. 3JH Burdette, Aubrey W. 3JI Bergmann, Frederick J. 3JJ McCaskey, Edward R. 3GY Staub, James.				
3GN Bard of Public Education, Philadelphia, Pa. 3GO Norcross, Earl L. 3GP Amig, Edward P. 3GQ Miller, Kelly, jr. 3GR Wood, Richard, M. 3GS McCafferty, Rea B. 3GT Searle, William J., jr. 3GU Hopkins, Robert E. 3GV Laber, Joseph M. 3GW Frazier, George R. T. 3GX Robinson, George C. 3GY Staub, James. 3IY Tolbert, Warren. 3IZ Rauce, B. Warren. 3IJ Megust, Earl W. 3ID Wolcott, Roger G. 3JE Dickerson, E. Stuart, jr. 3JG Scholl, Warren. 3JH Brockman, Francis C. 3JI Burdette, Aubrey W. 3GW Staub, James. 3IJ McCaskey, Edward R. 3GY Freedom, Leon.			31X	
Philadelphia, Pa. SGO Norcross, Earl L. SGP Amig, Edward P. SGQ Miller, Kelly, jr. SGR Wood, Richard, M. SGS McCafferty, Rea B. SGT Searle, William J., jr. SGU Hopkins, Robert E. SGV Laber, Joseph M. SGW Frazier, George R. T. SGX Robinson, George C. SGY Staub, James. SIZ Faunce, B. Warren. SJA August, Earl W. SJD Wolcott, Roger G. SJE Dickerson, E. Stuart, jr. Scholl, Warren. Scholl, Warren. Scholl, Warren. Scholl, Warren. Scholl, Warren. Scholl, Warren. SIJ Burdette, Aubrey W. SJJ Bergmann, Frederick J. SGX Staub, James. SJL McCaskey, Edward R. SJM Freedom, Leon.			977	Tellegraphy.
3GO Norcross, Earl L. 3GP Amig, Edward P. 3GQ Miller, Kelly, jr. 3GR Wood, Richard, M. 3GS McCafferty, Rea B. 3GT Searle, William J., jr. 3GU Hopkins, Robert E. 3GV Laber, Joseph M. 3GW Frazier, George R. T. 3GX Robinson, George C. 3GY Staub, James. 3JA August, Earl W. 3JC Riley, Arthur S. 3UC Roley, Carley, Color, Roger G. 3JE Scholl, Warren. 3JH Brockman, Francis C. 3JH Burdette, Aubrey W. 3JI Burdette, Aubrey W. 3GX Robinson, George C. 3JL McCaskey, Edward R. 3GY Staub, James.	SGN			Tolbert, Warren.
3GP Amig, Edward P. 3GQ Miller, Kelly, jr. 3GR Wood, Richard, M. 3GS McCafferty, Rea B. 3GT Searle, William J., jr. 3GU Hopkins, Robert E. 3GV Laber, Joseph M. 3GW Frazier, George R. T. 3GX Robinson, George C. 3GY Staub, James. 3JA August, Earl W. Riley, Arthur S. Wolcott, Roger G. 3JE Scholl, Warren. 3JH Brockman, Francis C. 3JI Burdette, Aubrey W. 3JJ Bergmann, Frederick J. 3JJ McCaskey, Edward R. 3GY Staub, James.	960		312	Faunce, D. Warren.
3GQ Miller, Kelly, jr. 3GR Wood, Richard, M. 3GS McCafferty, Rea B. 3GT Searle, William J., jr. 3GU Hopkins, Robert E. 3GV Laber, Joseph M. 3GW Frazier, George R. T. 3GX Robinson, George C. 3GY Staub, James. 3GC Riley, Arthur S. Wolcott, Roger G. 3JD Wolcott, Roger G. 3JG Scholl, Warren. 3JH Brockman, Francis C. 3JI Burdette, Aubrey W. 3JJ Bergmann, Frederick J. 3JL McCaskey, Edward R. 3JM Freedom, Leon.		Amia Edward P	QTA	August Forl W
3GR Wood, Richard, M. 3GS McCafferty, Rea B. 3GT Searle, William J., jr. 3GU Hopkins, Robert E. 3GV Laber, Joseph M. 3GW Frazier, George R. T. 3GX Robinson, George C. 3GY Staub, James. 3JD Wolcott, Roger G. Dickerson, E. Stuart, jr. 3JH Brockman, Francis C. 3JH Burdette, Aubrey W. 3JJ Bergmann, Frederick J. 3GY Staub, James. 3JM Freedom, Leon.		Millor Kolly in	SIC	Rilov Arthur S
3GS McCafferty, Rea B. 3GT Searle, William J., jr. 3GU Hopkins, Robert E. 3GV Laber, Joseph M. 3GW Frazier, George R. T. 3GX Robinson, George C. 3GY Staub, James. 3JE Dickerson, E. Stuart, jr. 3JG Scholl, Warren. 3JH Brockman, Francis C. 3JJ Burdette, Aubrey W. 3JJ Bergmann, Frederick J. 3GY Staub, James. 3JM Freedom, Leon.		Wood Richard M		Wolcott Roser G
3GU Hopkins, Robert E. 3GV Laber, Joseph M. 3GW Frazier, George R. T. 3GX Robinson, George C. 3GY Staub, James. 3JH Brockman, Francis C. 3JI Burdette, Aubrey W. 3JI Bergmann, Frederick J. 3GY Staub, James. 3JM Freedom, Leon.		McCafferty Rea R		Dickerson E Stuart in
3GU Hopkins, Robert E. 3GV Laber, Joseph M. 3GW Frazier, George R. T. 3GX Robinson, George C. 3GY Staub, James. 3JH Brockman, Francis C. 3JI Burdette, Aubrey W. 3JI Bergmann, Frederick J. 3GY Staub, James. 3JM Freedom, Leon.		Searle William J., ir.		Scholl Warren
3GV Laber, Joseph M. 3GW Frazier, George R. T. 3GX Robinson, George C. 3GY Staub, James. 3JI Burdette, Aubrey W. 3JJ Bergmann, Frederick J. 3JL McCaskey, Edward R. 3JM Freedom, Leon.		Hopkins, Robert E.		Brockman, Francis C.
3GW Frazier, George R. T. 3GX Robinson, George C. 3GY Staub, James. 3JJ Bergmann, Frederick J. McCaskey, Edward R. 3JM Freedom, Leon.				
3GX Robinson, George C. 3JL McCaskey, Edward R. 3GY Staub, James. 3JM Freedom, Leon.				
3GY Staub, James. 3JM Freedom, Leon.				McCaskey, Edward R.
				Freedom, Leon.
		Laird, J. Ira.		

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

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C-11-d1	Orman of station	G-11 -4	
Callsignal.	Owner of station.	Call signal.	Owner of station.
3JO	Hicks, A. Willet, jr.	3МА	Downes, Marlboro K.
3JP	Sterns, Morton W.	3MB	McKee, W. Wesley.
3JQ	Benson, Thomas W.	3MC	Wolf, Henry S.
3JŘ	Snow, Harold A.	3MD	Dulany, Franklin R.
3JS	Beekley, Francis C.	3ME	Lamdin, Charles R.
3JT	Hampson, George M.	3MF	Hitchner, Clyde G.
3JU	Fenimore, Robert S.	3MG	Ferguson, William.
3JV	Lehr, William.	3MI	Nash, Clifford S.
3JW	Broadbelt, J. Edward, jr.	3MK	Wilson, William P.
3JX	Hoagland, Donald.	3ML	Kutz, Charles E.
3JY	Hann, Charles B.	3MM	King, Albert.
3JZ	Costella, Pietro A.	3MN	Hollinshead, Norman B.
	16 D 1 177	3MO	Bickel, E. Clifton.
3KA	McEuen, Earl W.	3MP	Cohen, Henry.
3KB	Goodall, Alfred B.	3MQ	Trumbower, Raymond.
3KC	Kendall, Raymond V.	3MS	Barnhart, Lawrence W.
3KD	Noel, James F.	3MT	Peck, G. Warren.
3KE	Allen, Francis H.	3MU	Eckard, Lewis D.
3KF	Green, Anthony J.	3MV	Whitaker, Lorenzo D.
3KH 3KI	Bowen, Albert.	3MW	Poalk, James L., jr. Barker, Thomas H., jr.
3KJ	Stanley, John S.	3MX 3MY	
3KK	Worrest, Howard A. Hofmann, George A.	3MZ	Wheeler, William A. Husted, Mortimer I.
3KL	Wagner, William H.	31122	i iiusteu, mortimer 1.
3KM	Gray, Gerald.	3NA	Zang, Joseph A., jr.
3KN	Barr, Richard H.	3NB	Frye, Marcus, jr.
3KO	Chalmers, Edwin L.	3NC	Dalling, Howard.
3KP	Myers, Roy R.	3ND	Hirst, Arthur C.
3KQ	Wexler, Bernard.	3NE	Passano, Leonard W.
3KŘ	Rede, G. Ross.	3NF	Pohlig, William T.
3KS	Williams, John McC.	3NG	Tichenor, George C.
3KT	Holtzinger, Horace K.	3NH	Bierfreund, Max A.
3KU	Rakestraw, Charles E., jr.	3NI	Bell, Albert A., jr.
· 3KV	Van Duyne, Carlton.	3NJ	Wicks, Preston S.
3KW	Erickson, Alfred O.	3NK	Godfrey, Howard L.
3KX	Knight, G. Webber, jr.	3NL	Behm, L. F. F.
3KY	Cole, Jesse James.	3NM	Finck, Anthony R.
3KZ	Roberts, Harold A.	3NN	Bachert, Homer A.
a= 4		3NO	Sleath, Robert W.
3LA	Levin, Davis.	3NP	Jones, La Frantz.
3LB	Iddings, Frederick T.	3NQ	Morley, Augustin H. Ferris, Malcolm.
3LC	Eberly, Jacob A., jr.	3NR	
3LD	Pisani, Sylvester.	3NS	Radio Apparatus Co.
3LE 3LF	Evans, J. Arthur.	3NT	Rafferty, John A.
	Shreiner, Carl H.	3NU	Mitchener, Frederick D.
3LG 3LH	Lyon, Harry H. Weiss, Leonard.	3NV 3NW	Robey, V. C. K. Burke, Thomas J. Wells, John M.
3LK	Martin, Robert C.	3NX	Wells John M
3LL 3LL	Van Horn, J. Orville.	3NY	Steele, Sherman E.
3LM	Faries, Walter R.	3NZ	Branin, Manlif L.
3LN	Doyle, John E.	0112	Diamin, Mainin E.
3LO	Godfrey, Clarence M.	3OA	Urner, Joseph W.
3LP	Densham, Harry W.	30B	l Kennedy, Ignatius L.
$\widetilde{\mathbf{3LQ}}$	Birch, Stanford S.	30C	Grover, H. Marshall.
3LŘ	Cooper, William F.	3ÖĎ	Hemmann, William C.
3LU	Cooper, William F. Ellis, J. Elton.	3OE	Gray, Harry L.
3LV	Griffin, Aloysius.	3OF	Talbot, George L.
3LW	Waite, John W.	30G	Jones, John W.
3LX	Knight, A. Stanley.	3OH	Levy, Lewis.
3LY	Harris, William J.	30 <u>I</u>	Wolle, Aubrey B.
3LZ	McCullough, Earl N.	[∥] 3OJ	' Pool, J. Alexander.

Amateur Radio Stations—Third District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
30K	Kerr, William C.	300	Husk, Dayton E.
3OL	Grant, Arthur F.	3QQ 3QR	Sullivan, Frank J.
30M	Mooney, John, jr.	3QS	Roekens, Noel H.
3ON	Matos, Walter A.	3QT	Corderman, Roy C.
300	Hindin, Louis M.	3QU	Deichmann, George L., jr.
30P	Fink, Louis, 3d.	3QV	Hall Robort S
		ãQ̈̃₩	Hall, Robert S.
30Q 30R	Bryson, Harold E. Signor, Frederick H.	3QX	Harsch, Lawrence P. Worcester, Paul S.
		3QY	
30S	Lafferty, Francis A.		Nees, Milton.
3OT 3OU	Faust, Elmer J.	362	Service, Charles A., jr.
	Schwering, Harry C., jr.	OD A	Manimum Wilson
3OW	Patchel, Robert E.	3RA	Messinger, Miles B.
30X	Wick, Arthur.	3RB	Lewis, Ellis.
30Y	Gompf, August P.	3RC	Fenton, Edward T.
30Z	Collins, Benjamin W.	3RD	Dimling, Rudolph G. A.
070.4	CALLAND TO M TO	3RE	Frantz, Samuel G.
3PA	Schlichting, E. N. E.	3RF	Vaughan, Charles A.
3PB	Zorger, Daniel H.	3RG	Bowman, Philip W.
3PC	Abbott, E. H. B.	3RH	Kline, H. N. Gay.
3PD	Meyer, Emil J.	3RI	Clough, Thomas A.
3PE	Bassett, William W.	3R J 3R K	La Rue, Robert G.
3PF	Postpichal, Otto I.		Hepler, Walter R.
3PG	Proudley, Charles E.	3RL	McClellan, Frederick W.
3PH	Harris, Edwin R.	3RM	Phillips, Albert L.
3PI	Atlee, Franklin.	3RN	Ramsey, Howard N. Garver, Edwin H.
3PJ	Berman, Harry.	3RO	Garver, Edwin H.
3PK	McGear, Herbert K.	3RP	Kirby, Elmer S.
3PL	Ballantine, Charles S.	3RQ	Skene, Andrew A.
3PM	Lusse, Richard N.	3RR	Roeller, Harold C.
3PN	Pemberton, Henry R.	3RS	Tripp, George B., jr.
3PO 3P P	Watson, James B.	3RT 3RU	Carvin, Frank D. Hoff, J. Marshall.
	Skinner, William H. Strieby, Malcolm.	3RV	Hamill McClintook in
3PQ	Hohn Clarence Le Per	3RW	Hamill, McClintock, jr.
3PR	Hahn, Clarence Le Roy. Holt, Clarence J.	3RX	Redgrave, De Witt C.
3PS 3PT	Croscov F Clark	3RY	Nisley, Paul H. Jarvis, Thomas R.
3PU	Creager, E. Clark.	3RZ	To Due Tester I
3PV	Smith, Hubert B.	SKZ	La Rue, Lester J.
3PW	Bunting, Theodore R. Field, Harry P.	3SA	Pagua Frad A
3PX	Howard, H. Trumbull.	3SB	Requa, Fred A.
.3PY	Torrisi, Salvatore.	3SC	Van Hulsteyn, J. M. C.
3PZ	Griffith, Elmer G.	3SD	Hopper, Sterling A. Shafer, Albert G.
31 2	dilmin, Dimer d.	3SE	Hyatt, C. Brown.
20 A	O'Brien, Francis J.	3SF	
3QA	Butterfield, Harold G.	3SG	Hookey, Anthony C. Maris, Carroll B.
3QB 3QC	Lanning John M	3SH	
300	Lanning, John M. Rypick George M. ir	381	Kenyon, Walter R. Williams, Harvey.
3QD 3QE	Rynick, George M., jr. Richards, Clift R., jr.	3SJ	Glenn, Charles R.
3QF	Haig, J. Donald.	3SK	Bowley C. Herbert
3QG	Landis, Harold O.	3SL	Baxley, C. Herbert. Shaw, Lemuel A.
3QH	Fusselman, John.	3SM	Burnett, A. Elmo.
	Barnes, Donald K.	38N	
3QI 3QJ_	Crowley Robert H	380	Bourgeois, Edmund R. Law, Bartley H.
3QK	Crowley, Robert H. Adams, Leslie H.	3SP	Polk, Charles P.
3QL	Tapley, Robert E.	3SQ	Sellers, William, jr.
3QM	Varnes, Earl W.	3SR	Anderson, John A.
3QN	Zinszer, Harvey A.	388	Brany, Emil B.
3QO	Hake, Elias G.	3ST	Chappell, Ralph R.
3QP	Weber, Henry M.	3SU	Seeley, Alfred J.
OAT	· mood, many m.	000	booley, Ameu .

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
3SV	Blakeley, George B.	3UK	Peyser, Philip S.
3SW	Barnard, Julian W.	3UL	Essick, William W., jr.
3SX	Simons, Joseph M.	3UM	Strailman, Gilbert T.
3SY	Barretta, Valroy S.	3UN	Hayes, William F.
$\widetilde{3SZ}$	Herndon, Landon C.	3UO	Graves, Edwin D., jr.
0.22	Horndon, Dandon C.	3UP	Howlett, Joseph T. F.
3TA	Piper, S. Webster.	3ŬQ	Howlett, Joseph T. F.
3TB	Y. M. C. A., Wilmington, Del.	3UR	Cohan, William W.
3TC	Landis, Harry.	3US	Hopkins, James R.
3TD	Miller, Harry G.	3UT	Cianfrani, Theodore.
3TE	Poorman, Arthur E.	3ŬŪ	Lewis, Joseph W.
3TF	Ebert, Burton E.	3UV	Ross, John W.
3TG	Hatch William B	3UW	Call, J. Richardson.
3TH	Hatch, William B. Tabb, Vincent W.	3UX	Loughlin, John K.
TTE	Nichols, Crawford V.	3UY	Parker, Herbert H.
3TJ	Emmerson, Frank V.	3UZ	Braidwood, Thomas W.
3TK	Flather, Bryan S.	002	Diantwood, Indias W.
3TL	Bowes, Joseph J.	3VA	Durham, Wilson N.
MTE	Davidson, Delmer S.	3VB	Knowles, Edward P., jr.
3TN	Venn, Silas N.	3VC	Rancetelli, Ernain.
3TO	Pent, Robert E.	3VD	Lamb, Franklin.
3TP	Brittingham, Otis B.	3VE	Davis, Herbert E.
3TQ	Andrews, Edward C.	3VF	Tompkins, Eugene R.
3TŘ	Fell, David B.	3VG	Wood, Frederick B.
3TS	Turner, Alfred W.	3VH	Stickell, Daniel R.
3TT	Kindt, Charles F., jr.	3VI	Laws, J. Waltham, jr.
3TŪ	Bach, Earl C.	3VJ	Geibel, Henry J.
3TV	Blanford, Irving.	3VK	Griffith, Dorsey J.
3TW	Leslie, Malcolm C.	3VL	Bernstein, Abraham R.
3TX	Blessing, Joseph M.	3VM	Baynes, Ralph J.
3TY	Krone, Julian E.	3VN	Ways, Clarence I.
3TZ	Kellert, Charles.	3VO	Leayman, Charles S.
012	TEORIOI G, CIMITOD.	3VP	Rothman, Charles.
3UA	Gilbert, Harry P., jr.	3VQ	Uphoff, Frank B.
3UB	Colberg, George A.	3VŘ	McVickar, W. Patton.
3UC	Teller, Leslie W.	3VS	French, Edward R., jr.
3UD	Mundy, Elmer.	3VT	Seidenberg, Frank.
3UE	Smith, William M., jr.	3VŪ	Nikirk, Thomas E.
3UF	Howlett, Joseph T. F.	3VV	Rose, Harold W.
3UG	Dearden, Rowland R., 3d.	3VW	Uphoff, Frank B.
3UH	Casey, Elwood R.	3VX	Flounders, Newton.
3UI	Fletcher, Edward.	3VY	Stannard, Charles F., jr.
3UJ	Campbell, James D.	3VZ	Orlando, Frank.
000	Campien, sames D.	0,72	Cimito, Flank.

FOURTH DISTRICT.

[Headquarters: Customhouse, Savannah, Ga. The fourth district comprises the States of North Carolina, South Carolina, Georgia, Florida, and the Territory of Porto Rico.]

Callsignal.	Owner of station.	Location of station.	Power.
4AN 4BA 4AU 4AL 4AS 4AW	Avera, William W Bangs, Philip C Brandon, Beverly A	45 Whitaker St., Savannah, Ga	200 30 350 330



AMATEUR RADIO STATIONS—FOURTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
4BN	Cross, K. E	Port Tampa, Fla	50
4AE	Davis, Loren V	St. Petersburg, Fla	60
4AZ	Dunk, Thomas R	1424 Laura St., Jacksonville, Fla	550
4AT	Ehle, Frank R	1337 Liberty St., Jacksonville, Fla	330
4AQ	Fisher, C. C	711 Whaley St., Columbia, S. C	30
4BE	Fowler, Carl A	S. N. S. Station, Athens, Ga	500
4AX	Gordon, Clarence M	Helena, Ga	990
4AF	Humphrey, Arthur L	1105 Market St., Wilmington, N. C	18
4BI	Kreis, Joseph W., jr	655 S. Pryor St., Atlanta, Ga	36
4AR	Marbury, Ralph E	26 Wesley St., Newnan, Ga	500
4AD	McQuade, James H	1 25th St., Miami, Fla	175
4AB	Meltzer, Isador	627 Margaret St., Key West, Fla	225
4BJ	Milam, Ralph L	1039 Highway Ave., Jacksonville, Fla	150
4AJ	Moore, Victor W	147 Nacoochee Ave., Athens, Ga	250
4BC	Morgan, Sidney	208 W. Gaston St., Savannah, Ga	88
4AY	Moseley, Charles W	815 Mulberry St., Columbia, S. C	20
4AP	Peer, Emmitt E	419 W. Duval St., Jacksonville, Fla	800
4AA	Pope, Wilbur B	197 Dearing St., Athens, Ga	432
4BB	Rankin, Robert G., jr	3 N. 9th St., Wilmington, N. C	16
4AC	Rice, Elmer L	1702 E. Duval St., Jacksonville, Fla	880
4BL	Schoenwald, Byron B	116 Nun St., Wilmington, N. C	30
4AM	Sebastian, Lawrence F	336 Myrtle Ave., South Jacksonville, Fla	250
4BK	Simons, Mayrant	Summerville, S. C	1,000
4BD	Speight, Marshall C	5 Johnson St., Newbern, N. C	100
4AO	Swearingen, Thos. J., jr	403 Prairie Ave., Gainesville, Fla	990
4AV	Treisback, Robert T	2228 Riverside Ave., Jacksonville, Fla	500
4BM	Villareal, Dewey R	412 William St., Key West, Fla	100
4AK	Whiting, Charles T	R. F. D. No. 6, Gainesville, Fla	770
4BH	Wikle, James R	619 S. Pryor St., Atlanta, Ga	300
4BS	Wilmington High School	4th and Ann Sts., Wilmington, N. C	220

ALPHABETICALLY BY CALL SIGNALS.

Callsignal.	Owner of station.	Call signal.	Owner of station.
4AA 4AB 4AC 4AD 4AE 4AF 4AF	Pope, Wilbur B. Meltzer, Isador. Rice, Elmer L. McQuade, James H. Davis, Loren V. Humphrey, Arthur L. Moore, Victor W.	4AW 4AX 4AY 4AZ 4BA 4BB	Crevasse, Joe N. Gordon, Clarence M. Moseley, Charles W. Dunk, Thomas R. Avant, Marion C. Rankin, Robert G., jr.
4AK 4AL 4AM 4AN 4AP 4AQ 4AR 4AS 4AT 4AU 4AV	Whiting, Charles T. Bangs, Philip C. Sebastian, Lawrence F. Adams, George G. Swearingen, Thos. J., jr. Peer, Emmitt E. Fisher, C. C. Marbury, Ralph E. Brandon, Beverly A. Ehle, Frank R. Avera, William W. Treisback, Robert T.	4BC 4BD 4BH 4BI 4BJ 4BK 4BK 4BN 4BN 4BS	Morgan, Sidney. Speight, Marshall C. Föwler, Carl A. Wikle, James R. Kreis, Joseph W., jr. Milam, Ralph L. Simons, Mayrant. Schoenwald, Byron B. Villareal, Dewey R. Cross, K. E. Wilmington High School.

AMATEUR RADIO STATIONS-Continued.

FIFTH DISTRICT.

[Headquarters: Customhouse, New Orleans, La. The fifth district comprises the States of Alabama, Mississippi, Louisiana, Texas, Tennessee, Arkansas, Oklahoma, New Mexico.]

ALPHABETICALLY BY OWNERS OF STATIONS.

Callsignal.	Owner of station.	Location of station.	Power.
			Watts.
5AC	A. & M. College of Texas.	College Station, Tex	300
5BC	Amerine, William H	435 S. Court St., Montgomery, Ala	495
5AR	Beynon, Eugene T	604 Artesian St., Corpus Christi, Tex	496
5AX	Bonnecaze, Leonce, jr	1428 Kerlerec St., New Orleans, La	225
5BW	Brown, Max T	1017 Cumberland St., Little Rock, Ark	60
5AM	Brownell, Harold S	1512 Phelan St., Birmingham, Ala	500
5BD	Casey, Robert H., jr	313 N. Main St., Cleburne, Tex	770
5BV	Clayton, John M	1301 Welch St., Little Rock, Ark	15
5BR	Curtis, Earnest M	350 Selma St., Mobile, Ala	440
5AU	Gallo, Louis	821 Royal St., New Orleans, La	10
5AQ	Goldstein, Henry R	1819 Octavia St., New Orleans, La	75
5AS	Goodman, Louis N	300 Main St., Starkville, Miss	1,000
5BP	Glover, Charles W	327 Sayre St., Montgomery, Ala	506
5EK	Hamby, Otis	514 S. 5th St., Temple, Tex	50
5BJ	Hanz, Harry W	310 Bridge St., New Braunfels, Tex	500
5AY	Harris, Russell S	1240 Esplanade St., New Orleans, La	30
5BI	Harrison, Jackson W	800 Highland Ave., Montgomery, Ala	550
5BM	Hayes, James J., jr	106 Brown St., Brownwood, Tex	750
5AG	Johannsen, John, jr	Lafayette Ave. and Miro St., New Or-	
5BK	Tamas Tamis	leans, La.	7 000
	Leroy, Louis	1005 Rayner Ave., Memphis, Tenn	1,000
5BQ	Lockland, Scott B	807 Bois d'Arc St., Fort Worth, Tex	250
5AV	Macke, William	2414 Painter St., New Orleans, La	250
5BL	Marks, George M., jr	615 S. Perry St., Montgomery, Ala	220
5AH	Martin, Ben W	438 Spring Hill Ave., Mobile, Ala	275
5BS	McLain, Robert M	513 W. Clinton St., Huntsville, Ala	770
5AW	McNeil, Ernest W	1039 Robert St., New Orleans, La	30
5BT	Medlen, Charles C	114 E. 3d St., Okmulgee, Okla	1,000
5BE	Mollenhauer, Arthur E.	812 Castell St., New Braunfels, Tex	100
5AL	Reboul, Theophile, jr	2106 Chartres St., New Orleans, La	500
5AD	Rorshach, Harold E	619 N. E St., Muskogee, Okla	870
5BN	Salzer, Harry S	2322 N. Villere St., New Orleans, La	450
5AT	Stone, Frank M	7919 Jeannette St., New Orleans, La	1,000
5AP	Thompson, Vance M	267 Pasadena Pl., Memphis, Tenn	880
5BA	Toups, Roy N	1512 Ursuline St., New Orleans, La	125
5BH	Vogler, Robert L	Lee St. and Bringhurst Ave., Alexandria, La.	100
5BU	Ward, Robert P	233 Orchard St., Georgetown, Tex	550

ALPHABETICALLY BY CALL SIGNALS.

Callsignal.	Owner of station.	Call signal.	Owner of station.
5AC	A. & M. College of Texas. Rorshach, Harold E. Johannsen, John, jr. Martin, Ben W. Reboul, Theophile, jr. Brownell, Harold S. Thompson, Vance M. Goldstein, Henry R.	5AR	Beynon, Eugene T.
5AD		5AS	Goodman, Louis N.
5AG		5AT	Stone, Frank M.
5AH		5AU	Gallo, Louis.
5AL		5AV	Macke, William.
5AM		5AW	McNeil, Ernest W.
5AP		5AX	Bonnecaze, Leonce, jr.
5AQ		5AY	Harris, Russell S.

Amateur Radio Stations—Fifth District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
5BA 5BC 5BD 5BE 5BH 5BI 5BJ 5BJ 5BK 5BL 5BM 5BN	Toups, Roy N. Amerine, William H. Casey, Robert H., jr. Mollenhauer, Arthur E. Vogler, Robert L. Harrison, Jackson W. Hanz, Harry W. Leroy, Louis. Marks, George M., jr. Hayes, James J., jr. Salzer, Harry S.	5BP 5BQ 5BR 5BS 5BT 5BU 5BV 5BW	Glover, Charles W. Lockland, Scott B. Curtis, Earnest M. McLain, Robert M. Medlen, Charles C. Ward, Robert P. Clayton, John M. Brown, Max T. Hamby, Otis.

SIXTH DISTRICT.

Headquarters: Customhouse, San Francisco, Cal. The sixth district comprises the States of California, Nevada, Utah, Arizona, and the Territory of Hawaii.]

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
6QN	Abbott, Raymond B	1803 Cedar St., Berkeley, Cal	250
$6\mathrm{QD}$	Adam, Carl F., jr	2830 Garber St., Berkeley, Cal	550
6DS	Adams, Charles C	704 E. 21st St., Los Angeles, Cal	750
6NU	Adkins, Edward S	143 N. Pasadena Ave., Pasadena, Cal	500
6LF	Alexander, Lee	182 Flora St., Bell, Cal	38
6AAO	Alexander, Willard B	219 W. 24th St., Los Angeles, Cal	440
6PF	Allen, Preston D	1410 West St., Oakland, Cal	1,000
6LD	Anderlini, Louis J	2012 Keith St., San Francisco, Cal	32
6SW	Anderson, Elroy E	80 Barson St., Santa Cruz, Cal	550
6VM	Anderson, Herbert E	Lindsay, Cal.	220
6KY	Andrews, Harold S	2171 W. 29th Pl., Los Angeles, Cal	300
6WA	Anthes, William F., jr	230 S. 7th St., San Jose, Cal	20
$6\mathrm{DM}$	Archer, Robert P	2912 S. Flower St., Los Angeles, Cal	30
$6\mathrm{FA}$	Arnberger, Frank, jr	3230 Garfield Ave., Alameda, Cal	1,000
6UA	Asadoorian, Theodore N.	1205 Garfield Ave., Pasadena, Cal	150
6AA	Aster, Alvin K	1814 Alameda Ave., Alameda, Cal	1,000
6EG	Aten, Arthur B	428 Clark St., Sherman, Cal	250
6IC	Austin, Russell F	210 3d St., Riverside, Cal	250
6MF	Aymar, Clarence A	1525 6th Ave., Oakland, Cal	450
6MB	Baden, Merle L	2637½ Piedmont Ave., Berkeley, Cal	1,000
6BQ	Baer, Charles M	Cupertino, Cal	18
6ER	Bailey, Cecil	R. F. D. No. 18, Los Altos, Cal	4
6QX	Baird, Maxfield A	913 S. Main St., Corona, Cal	250
-6HB	Baker, Harry G	643 W. 42d Pl., Los Angeles, Cal	900
6VJ	Barbour, Joseph L	217 W. 8th St., Hermosa Beach, Cal	1,000
6QL	Barker, Waldo W	331 Lighthouse Ave., Pacific Grove, Cal	28
$6\mathrm{FJ}_{-}$	Barnum, Coit L	9034 Hillside Ave., Oakland, Cal	990
6BX	Barrett, Eldridge D	720 Capp St., San Francisco, Cal	
6LB	Barton, Larry J	19 Crystal Springs Rd., San Mateo, Cal	1,000
6BP	Bauer, Roy M	402 S. Jefferson St., Napa, Cal	38
6VS	Bauman, Warren C	Newcastle, Cal	498
6QP	Beament, Thomas	844 14th St., San Francisco, Cal	100
6EJ	Bean, Arthur E	1450 Washington St., San Francisco, Cal	440
6AJ	Bean, James	1775 Alameda Ave., San Jose, Cal	40
6KZ	Beaver, Gerald A	1533 Court St., Alameda, Cal	500
6WJ	Bechtel, Warren, jr	302 Perry St., Oakland, Cal	500
6TN	Beckman, Philip E	821 14th St., San Francisco, Cal	150

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AMATEUR RADIO STATIONS—SIXTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
The T			Watts.
6VQ	Benner, Bryan	253 N. Lake Ave., Pasadena, Cal	250
6VW	Beraldo, Dewey	511 S. Chapel St., Alhambra, Cal	
6QT	Bennett, George S	3000 Grove St., Berkeley, Cal	500
6FU	Bergstrom, R. Bernard	Turlock, Cal	000
6LX	Berlin, Latham	1525 Chestnut St., Alameda, Cal	110
6MT	Berringer, Hall	6 Arundel Rd., Burlingame, Cal	1,000
6JH	Berry, Charles A.	1st St., Los Altos, Cal	1,000
	Biber, Albert L	1731 Noe St., San Francisco, Cal.	250
6QF 6WR	Dilger Angen C	407 Verman St. Oaltland Cal	550
COD	Bilger, Anson S	407 Vernon St., Oakland, Cal	
6SB	Bisson, Charles S	1754 Channing way, Berkeley, Cal	330
6EO	Blake, Albert W	1055 Lincoln Ave., Pasadena, Cal	60
6LA	Blochman, Lawrence G.	3260 1st St., San Diego, Cal	500
6IJ	Boehme, Herbert L	1437 6th St., Santa Monica, Cal	500
6PM	Bolton, Harold B Booth, Wilber C	4300 Judah St., San Francisco, Cal	250
6WB	Booth, Wilber C	2229 Ashby Ave., Berkeley, Cal	770
6TB	Boudinot, Truman E Bowlus, Glen H	2229 Ashby Ave., Berkeley, Cal	500
6GB	Bowlus, Glen H	Paxton Ave, San Fernando, Cal	120
6PB	Bradley, Philip L Brandis, Fred A Brandt, Robert L	523 19th Ave., San Francisco, Cal	
6AL	Brandis, Fred A	214 W. San Carlos St., San Jose, Cal	30
6RA	Brandt, Robert L	322 Grand Blvd., San Mateo, Cal	1,000
6ND	Breck, F. Bon	285 Mather St., Oakland, Cal	550
6FV	Brockett, Charles	248 Olive St., Los Angeles, Cal	250
6JB	Brown, Julian T	2604 E. 2d St., Los Angeles, Cal.	500
6DA	Brown, Ralph E	838 E. 22d St., Los Angeles, Cal	275
6PZ	Brown, Robert L	634 Franklin St., Maple, Cal	1,000
6AP	Brown, Victor	520 2d St., San Jose, Cal.	500
6JY	Browne, G. R. A., jr	Los Altos, Cal	250
6RB	Brumter, Ralph	1214 E St., San Diego, Cal	218
610	Buchanan Roy I	953 E. 22d St., Los Angeles, Cal	550
6AM	Buchanan, Roy J Buckley, Ernest V Buell, Clarence R	327 Martin Ave., San Jose, Cal.	30
6FY	Buell Clarence R	732 56th St., Oakland, Cal.	110
60H	Pull Horold F		1,000
6RY	Bull, Harold F	208 S. 2d St., Sawtelle, Cal.	
	Bullard, Orlan K Bunting, Howard S	1655 10th St., San Diego, Cal.	550
6SO	Dunning, Howard S	109 Forest Ave., Pacific Grove, Cal	1,000
6OZ	Burge, Walter M	33 Hester Ave., San Jose, Cal	35
6DZ	Caldwell, Duncan K	427 Crane Ave., Turlock, Cal	330
6NX	Calvert, Paul P	Inglewood, Cal.	1,000
6WZ	Capps, Delpinin	710 Peninsula St., Burlingame, Cal	1,000
6AC	Capwell, Cebert	Hillside Ave. and Kelton Court, Oakland,	270
a Da		Cal.	
6FC	Carey, Francis K	2116 Thompson St., Los Angeles, Cal	235
6NY	Carroll, Elvin K	Capitola, Cal	250
6SY	Carroll, Russell W	354 Perry St., Oakland, Cal	440
6MS	Carson, E. A.	Dominguez Station, Cal	1,000
6KR	Center, Hugh	Race St., San Jose, Cal.	250
6QJ	Chamberlain, George E	121 N. 6th St., Sawtelle, Cal	250
6AG	Chamberlain, Leon H	553 27th St., Óakland, Ćal	550
6IE	Chambers, James	427 Banks St., San Francisco, Cal	500
6JZ	Charters, John R	2606 E. 1st St., Los Angeles, Cal	250
6JC	Chase, John H	1323 Lemon St., Riverside, Cal	300
6AD	Childs, Ralph S	1323 Lemon St., Riverside, Cal	500
6EZ	Christie, A. Edwin	1052 Cole St., San Francisco, Cal	
6QC	Christensen, V. H	72 Lundy's Lane, San Francisco, Cal	100
6AU	Clark, Paul II	898 S. 8th St., San Jose, Cal	18
6DD	Clark, Paul U	1336 E. Colorado St., Pasadena, Cal	600
6AAF	Colling Wayne A	788 19th St., Oakland, Cal	250
6LC	Collins, Wayne A Comins, Frank L		500
6OD		Niles, Cal.	250
6RC	Cook, John A	1504 Locust St., Long Beach, Cal	357

Amateur Radio Stations—Sixth District—Alphabetically by Owners of Stations—Continued.

	Owner of station.	Location of station.	Power.
			Watts.
6CY	Cooper, Charles P	66 Linda Ave., Oakland, Cal	330
6CA	Corby, Grant W	1129 W. 6th St., Los Angeles, Cal	330
6IQ	Cornell, Ezra B	18 Culloden Park, San Rafael, Cal	500
6RT	Cornish, Lester R	107 3d St., Pacific Grove, Cal	
6WC	Cornish, Warren D	107 3d St., Pacific Grove, Cal	750
6WQ	Cowles, John	28 Butler Ave., San Francisco, Cal	500
6HC 6UP	Craig, Harold F	696 2d St., San Pedro, Cal	330
6FX	Creswell, Frank, jr Cross, Fred M	833 W. 58th St., Los Angeles, Cal	300 500
6NJ	Cunningham, Edward J.	144 N. Beaudry St., Los Angeles, Cal Santa Clara, Cal	660
6DE	Curtis, Burbank	832 Linden St., Long Beach, Cal.	250
6WI	Cusick, William J.	2595 Folsom St., San Francisco, Cal	250
6PV	Czapkay, Edward	Albany, Cal	250
6BS	Davidson, G. Edward	419 6th St., Richmond, Cal	250
6TW	Davidson, Stanley E	617 Fallon St., Oakland, Cal	250
6EP	Davis, Elwood	876 N. Orange Grove Ave., Pasadena, Cal.	500
6OI	Dawson, J. Percy	763 Oakland Ave., Pasadena, Cal	500
6GD	Day, Elwin C	4304 19th St., San Francisco, Cal	500
6FD	Deardorf, Francis H	Los Altos, Cal	12
6AQ	De La Cruz, George	706 W. San Carlos St., San Jose, Cal	12
6UJ	Delius, Herbert A	2057 Alameda Ave., Álameda, Cal	500
6EN	de Neuf, Emil A	1538 Russell St., Berkeley, Cal	500
6DW	De Wald, Alfred S	Felton, Cal	80
6HD	Dickow, Henry	413 26th Ave., San Francisco, Cal	500
60K	Dillon, Lyle	757 Carondelet St., Los Angeles, Cal	1,000
6KC	Dinley, Laurence J	850 E. 49th Pl., Los Angeles, Cal	125
6QE	Dodge, Earl E	170 Athol Ave., Oakland, Cal	250
6KE	Dogan, Kenneth D	1115 Cole St., San Francisco, Cal	
6OV	Doig, John H., jr	1029 Washington St., San Diego, Cal	300
6NO	Donaldson, Ernest S	Pearl and 14th Sts., Santa Monica, Cal	1,000
6WP	Donelson, William E., jr.	1215 West Ave., Eureka, Cal	575
6VN	Dorcy, Ben H., jr	190 Ocean View Ave., Santa Cruz, Cal	250
6OF	Doty, Arthur H	2135 California St., Eureka, Cal	25
6AZ 6LT	Downing, Alan S	2510 Fruitvale Ave., Oakland, Cal	1,000
6RG	Downs, LaRoy Downs, Robert	108 N. Pasadena Ave., Pasadena, Cal 1062 10th St., San Diego, Cal	275 500
6BV	Drake, Charles	422 22d St., Richmond, Cal.	300
6PO	Drath, Walter J.	682 34th St., Oakland, Cal	250
6KD	Dutton, Kingsley	1447 Salem St., Glendale, Cal	250
6HE	Eastling, Harvey	2659 Folsom St., San Francisco, Cal	50
6HY	Ebeling, Hyde S	444 Delmas Ave., San Jose, Cal	18
6WX	Ebert, Howard W	455 Orchard St., San Jose, Cal	15
6QV	Echlin, Jack E	460 Vernon St., Oakland, Cal	500
6ĞZ	Edgar, George P	Broadmoor Blvd., San Leandro, Cal	500
6BJ	Edwards, Lewis W	903 Wilshire St., Sawtelle, Cal	250
6NM	Eidemiller, Charles H	1110 Summit Ave., Pasadena, Cal	550
6EK	Eiferle, Chrissie	3018 Boulevard Ave., Fruitvale, Cal	15
6TE	Eisenhuth, Thomas V	2138 McKinley St., Berkeley, Cal	500
6OU	Eldredge, George E	2731 Benvenue Ave., Berkeley, Cal	250
6NZ	Emmerling, Herbert J	439 3d Ave., San Francisco, Cal	1,000
6QM	Ensign, Millard J	l 4420 Falcon St., San Diego, Cal	250
6DL	Espe, Oliver E	4425 S. Main St., Los Angeles, Cal	500
6RE	Esplen, Elmer R	425 Hawthorne St., Stockton, Cal	1,000
6ST	Evans, Bryan	Presidio of Monterey, Cal	100
6FI	Eveleth, Harlan A	2805 Russell St., Berkeley, Cal	1,000
6UT	Everard, Charles E	895 E. 56th St., Los Angeles, Cal	440
6CZ	Everard, Charles E	158 Bruce Ave., Pasadena, Cal	400
6KM 6UY	Everett, J. Victor Everharty, Laurence	Huntington Beach, Cal	
DII V	P.VOTOSTTV I.SIITODOO	2320 E. 3d St., Los Angeles, Cal	1

Amateur Radio Stations—Sixth District—Alphabetically by Owners of Stations—Continued.

Call signal.	· Owner of station.	Location of station.	Power.
and a line			Watts.
6FL	Faneuf, Forrest E	153 Water St., Santa Cruz, Cal	250
6FB	Farlinger, Ernest Farmer, Gordon Farrell, Raymond	227 2d St., Richmond, Cal	495
6GF	Farmer, Gordon	Clearwater, Cal	50
6TR	Farrell, Raymond	2326 Pacific Ave. Alameda, Cal.	
6IF	Farwell, Ivyn	2230 9th St., Berkeley, Cal	250
6FE	Felt, Clarence J	1732 Channing Way, Berkeley, Cal	330
6ET	Fenner, Paul R	1338 Masonic Ave., San Francisco, Cal	42
6II	Ferguson, E. Franklin,	596 Newton Ave., San Diego, Cal.,	25
6HV	Ferrill, Herbert E	Bostonia, Cal	
6KF	Filben, Frank	37 Hester Ave., San Jose, Cal	679
6QQ	Finnell, Phillip S	2251 Green St., San Francisco, Cal	500
6CB	Fisher, Frank L	661 Buchon St., San Luis Obispo, Cal	40
6JU	Fisher, Jules	2214 Carlton St., Berkeley, Cal	38
6TC	Fisher, Thomas A		900
	Fight Alfred C	Perry, Cal	250
6KW	Fisk, Alfred C	524 Almond Ave., Long Beach, Cal	
6HF	Flenner, Harry A	1695 Granada Ave., San Diego, Cal	500
6ED	Flinspach, J. Henry	403 E. Citrus Ave., Rediands, Cal	250
6QU	Floud, J. Harold	260 3d Ave., San Francisco, Cal	250
6FO	Fones, Robert	832 Cleveland St., Oakland, Cal	1,000
6SQ	Fonseca, Arthur	2610 Valdez St., Oakland, Cal	100
6WF	Ford, Walter B	3653 Arnold St., San Diego, Cal	500
6JF	Forsburg, Joe A	1616 Josephine St., Berkeley, Cal	250
6NQ	Forsburg, Joe A Francis, Ernest R Frank, Walter	Mountain View, Cal	50
6FK	Frank, Walter	465 18th St., San Diego, Cal	450
6UM	Freeman, Elmer D	Nordhoff Cal	120
6FH	French, Donald K	3027 Capp St., Fruitvale, Cal	250
6RF	Frier, Robert L	1017 W. 17th St., Los Angeles, Cal	250
6BK	Frost, William H	473 Minor Ave., San Jose, Cal	20
6CX	Frunk, Carl G	1345 Northside Ave., Berkeley, Cal	250
6AAE	Frunk, Carl G Garcia, David	3434 Hollis St., Oakland, Cal	500
6GA	Garratt, Edward D	1308 Crown Hill Ave., Los Angeles, Cal	300
6JW	Gastman, Henry	2530 Eunice St., Berkeley, Cal	990
6UH	Gates, Howard C	E. Kingsley Ave., Pomona, Cal	
6GJ	Gaugh, H. E. F	1379 Boston Ave., San Diego, Cal	400
6NG	Gerlach, Leonard	Point Richmond, Cal	100
6GE	Gerlach, William G	512 Crofton Ave., Oakland, Cal	470
60N	Germain, H	1450 Pacific Ave., San Francisco, Cal	500
6LG	Gianini, Leo G	535 5th Ave., San Francisco, Cal	60
6US	Gibson Walter I.	2324 Dennison St., East Oakland, Cal	25
	Gibson, Walter L Gilbert, Phillip H		1,000
6AAG	Cildordorro Circo	387 W. 8th St., Pomona, Cal	50
6GG	Gildersleeve, Given	506 Calistoga Ave., Napa, Cal	
6QK	Gill, Fred M	2715 4th St., Ocean Park, Cal	750 200
6PG	Gillmore, Purcell	375 N. Fair Oaks Ave., Pasadena, Cal	
6AAH	Gilstrap, L. Frederick	517 N. Curtis Ave., Alhambra, Cal	160
6MG	Glindemann, Melvern	825 Fillmore St., San Francisco, Cal	495
6BM	Godwin, Merle H	19 Grigsby Court, Napa, Cal	300
6UZ	Gosmann, Jack L	2389 W. 31st St., Los Angeles, Cal	250
6GO	Goss, William M	516 Bath St., Santa Barbara, Cal	500
6VC	Gottwald, Eugene A	404 S St., Eureka, Cal	250
6JG	Gould, Gordon	2265 Clinton Ave., Alameda, Cal	24
6FG	Granger, Floyd	305 Phelps St., Redwood, Cal	
6BG	Grates, John	634 Citrus Ave., Redlands, Cal	30
6LP	Gray, Clifford	Stevens Creek Rd., San Jose, Cal	120
6RX	Gray, CliffordGray, Harold G	2604 9th Ave., Oakland, Cal	420
6AAK	Green, Carl V., jr	317 E. 49th St., Los Angeles, Cal	495
6AR	Greenquist, Elmer A	516 W. San Carlos St., San Jose, Cal	225
6AAI	Gregory, Merle M	1011 Orchard St., Santa Rosa, Cal	40
6EE	Gregory, Merle M Griffin, Clyde S	Stevinson, Cal	
6LL	Griffith, William M	139 Pierce St., San Francisco, Cal	25

Amateur Radio Stations—Sixth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Powe
6DP	Grundell, Hubert	285 11th St., San Pedro, Cal	Watt
6LR	Guenther, Leo H	309 W. Ortega St., Santa Barbara, Cal	50
6AN	Guidotti, W. F	745 W. San Fernando St., San Jose, Cal	1
6GU	Gurnetté, Bernard A	51 Beaver St., San Francisco, Cal	3:
8GC	Hall, Gordon V	1446 National Ave., San Diego, Cal	5
HT6	Hall, Thomas C	1278 Market St., San Francisco, Cal	5
6VP	Hancock, Hadys D	Venice Pier, Venice, Cal	1,0
SCQ	Hanson, Earl C	2534 4th Ave., Los Angeles, Cal	3
RH	Hare, Ralph M	74 Castro St., San Francisco, Cal	•
TZ	Harmon, Orville A	2742 35th Ave Oakland Cal	
SCG	Harty, Courtenay E	2742 35th Ave., Oakland, Cal 5167 Wilton Pl., Los Angeles, Cal	2
		San Formando Cal	2
SPQ	Harvey, George C	San Fernando, Cal	
SCH	Haun, John K	152 E. 36th Pl., Los Angeles, Cal	3
H I	Hazleton, Ralph L	53 Bryce St., Santa Cruz, Cal	2
KP	Heagney, Elmer D	901 S. Center St., Stockton, Cal	2
UK	Heald's Business College	San Francisco, Cal. 374 22d Ave., San Francisco, Cal	1,0
BAAC	Heaney, Clarence M	374 22d Ave., San Francisco, Cal	5
BHN	Heinz, Albert	127 N. F. St., San Mateo, Cal	3
BWD_	Hemsley, Will	430 20th St., San Diego, Cal	4
BAAB	Hemenway, Clyde C	1407 Vermont St., San Francisco, Cal	
BPS	Henn, Charles W	1468 47th Ave., San Francisco, Cal	2
BUL	Herzog, Aurelius	1468 La Playa St., San Francisco, Cal	1
BDC	Hibbard, Charles H., jr	156 Bellefontaine St., Pasadena, Cal	5
BWH .	Hill, William F	2348 G St., San Diego, Cal	5
BCC	Hilleary, Frank J	2600 E. 2d St., Los Angeles, Cal	4
NF	Hillier, H. H.	337 Rosemont Ave., Pasadena, Cal	2
HZ	Hoffman, Harold H	625 Forest Ave., Pacific Grove, Cal	ł
LÜ	Hoffman, Lucien C	315 3d Ave., San Francisco, Cal	5
RD			١
	Hogaboom, Raymond	4924 Guizot St., San Diego, Cal	
BDQ	Holmes, Joseph J	135 Ripley Ave., Richmond, Cal	2
FQ	Holt, Felix	2042 Albatross St., San Diego, Cal	5
SNL	Horton, Stephen E	235 N. Mentor St., Pasadena, Cal	6
SSI	Hoyt, Leander L	Hayward, Cal	2
ELH	Hunt, Lloyd F	Inglewood, Cal	7
BBW	Hyde, Stanley E	4031 S. Bonnie Brae St., Los Angeles, Cal.	3
PI	Hyndman, Elmore	638 E. 23d St., Los Angeles, Cal	2
BSJ	Indart, Carl A	170 S. Rowan Ave., Los Angeles, Cal	5
BIR	Irey, Earl R	3667 3d St., San Diego, Cal	5
BLI	Isaacs, Louis R	1200 Regent St., Alameda, Cal	6
JI	Jackson, Chester M	4025 Brookdale Ave., Oakland, Cal	1,0
JA	Janes, Charles V	38 Jupiter St., San Francisco, Cal	1
IJ	Jessup, John H	2620 Cedar St., Berkeley, Cal	2
jo	Johnson, Clarence N	730 Julian Ave., San Diego, Cal	5
SŠĀ	Johnson, F. Kenneth	715 E. 43d Ave., Los Angeles, Cal	1,0
TP	Johnson, Harold M	15 King St., San Jose, Cal	,
NR	Johnson, J. William	1716 Toberman St., Los Angeles, Cal	4
TI	Johnson, Melvern L	720 52d St., Oakland, Cal	2
MY	Johnston, Robert	734 K St., Eureka, Cal.	2
MJ M	Jones, Myron A	4190 41st St., San Diego, Cal	5
RJ	Jones, Russell B	1041 Stanyan St., San Francisco, Cal	2
KX			2
	Jones, Walter	615 L St., Eureka, Cal	1
SVL	Kaiser, Erlin	1665 9th St., San Diego, Cal	9
BL	Kather, Karl E	104 Wilson St., Napa, Cal.	2
SOM	Kaufmann, Irwin	56 20th Ave., San Francisco, Cal	5
BWN	Kelly, Wallace N	Redondo, Cal	1,0
SUF	Kemp, Thomas J	950 Atlantic Ave., Long Beach, Cal	5
BRK	Kerns, Roy	219 Russell St., Berkeley, Cal	2
BAH	Kessell, James H	551 Willis Ave., San Jose, Cal	
6CE	Kilto, Carl	506 Fremont Ave., Los Angeles, Cal	4
6KK	Kincaid, Kenneth		2

Amateur Radio Stations—Sixth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
400	Tina Classica A	1141 Confold Ann. Providence Col.	Watts.
6QQ	King, Clarance A	1141 Garfield Ave., Pasadena, Cal	500
6EX 6CK	King, William E Kinsel, Charles M	80 Elgin Park, San Francisco, Cal	250
6KI		396 Oakland Ave., Oakland, Cal	550
6JK	Kispert, Charles H	1748 Quesada Ave., San Francisco, Cal	945
6WK	Klemgard, James G	947 Cedar Ave., Long Beach, Cal	345
6UE	Koerber, Walter A Kramer, Augustus A	6th St. and Margarita Ave., Coronado, Cal.	500
6HK	Kranter, Rugustus R	850 W. 43d Pl., Los Angeles, Cal	990
6IW	Krauter, Howard R Kreiss, Rudolph L Kyes, Percy L	1062 Stannage Ave., Berkeley, Cal	440
6PK	Kves Percy L	617 Eucalyptus Ave., Riverside, Cal	500
6HW	La Barre, Harold J	64 W. Colorado St., Pasadena, Cal	280
6LY	Ladley William A	Yohoma St., Napa, Cal.	250
6VI	Lambert, Tom	1077 16th St., Oakland, Cal	750
6KB	Lankston, Jesse M	152 Ohio Ave., Sawtelle, Cal	1,000
6SL	Leach, Stanley P	2049 10th Ave., Oakland, Cal.	495
6LE	Lee, Daniel	2049 10th Ave., Oakland, Cal	250
6TM	Lee, Howard R	1580 Grove St., San Francisco, Cal	500
6VO	Lee, John A	134 N. Johnston St., Los Angeles, Cal	1,000
6IZ	Leeper, Ernest W	648 4th St., San Bernardino, Cal	1,000
6EL	Le Fevre, Eugene,	243 Boniview Ave., San Francisco, Cal	100
6WL	Leland, Wallace H Linhoff, Harold R	912 Indian Rock Ave., Berkeley, Cal	1,000
6HL	Linhoff, Harold R	416 Winona Ave., Pasadena, Cal	250
6UI	Lindsay, Edward G	1145 Brunswick St., San Francisco, Cal	500
6AAJ	Linville, Charles R	307 N. Curtis Ave., Alhambra, Cal	50
6VX	Loos, William V	3012 Western Ave., Los Angeles, Cal	220
6PU	Lordge, Albert	3012 Western Ave., Los Angeles, Cal 931 Jefferson St., San Jose, Cal	250
6LO	Lory, C. S.	3839 7th St., San Diego, Cal	25
6VD	Loudon, Donald F	2272 4th St., San Diego, Cal	45
6LQ	Lowe, Sarn K	6433 Benvenue Ave., Oakland, Cal	1,000
6CP	Lowe, William E	1300 Garfield Ave., South Pasadena, Cal.	500
6AAL	Lyon, John D	Altadena, Cal	500
6SF	Mack, S. Franklin	541 Pine Ave., Pacific Grove, Cal	500
6MV	MacMullen, Gerald	2231 1st St., San Diego, Cal	200 330
6GQ 6MX	Magee, Clark	854 E. 47th St., Los Angeles, Cal	200
6MN	Maher, Edward T	E. 6th St., Ontario, Cal	250
6EQ	Maher, Zacheus J.	2211 Hayes St., San Francisco, Cal	476
6AAD	Mahn, Erich G	29 Saturn St., San Francisco, Cal	30
6BR	Manasse, Mervyn H	618 Franklin St., Napa, Cal	30
6WT	Mann, Frank W	Saratoga, Cal	18
6HM	Mansfelt, J. Harold	Saratoga, Cal	
6EM	Marlin, Évan S	Capitola, Cal	
6OX	Martin, Andrew W., jr	894 Waller St., San Francisco, Cal	500
6KS	Martin, Neal D	2018 Delaware St., Berkeley, Cal	
6LM	Martinelli, Llovd A	1512 Shrader St., San Francisco, Cal	50
6CU	Maskey, Franklin E	822 E. 33d St., Los Angeles, Cal	30
6BO	Mattoon, Stanley F	San Carlos, Cal	30
6IM	Mateuda, Fukuzo	2921 Pine St., San Francisco, Cal	500
6MA	Max, Charles A	Morrill Road, San Jose, Cal	500
6UW	Maynes, Walter W	207 Hugo St., San Francisco, Cal	225
6LK	McCargar, Lincoln	1413 16th St., Oakland, Cal	1,000
6OA	McCartney, George	4226 Brighton Ave., Los Angeles, Cal	250
6CF	McClatchy, Keith	Hawthorne and Ivy Sts., Inglewood, Cal.	1,000
6IU	McCartney, George McClatchy, Keith McCleery, Ralph A McCreery, Maurice E	3435 Eagle St., Los Angeles, Cal	1,000
6IX	McCulleugh Herel	700 W. 32d St., Los Angeles, Cal	440
6PY	McCullough, Harold	San Fernando, Cal	250
6PJ	McDonald, Byron C	85 S. El Molino St., Pasadena, Cal	1,000
6TO	McGiffin, James	1652 Berendo St., Los Angeles, Cal	500 220
6JL	Machin lamas	2835 Vallecito Pl., Oakland, Cal	

Amateur Radio Stations—Sixth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
6HJ	McIntoch, Harold St. J	249 Bixel St., Los Angeles, Cal	500
6MM	McKay, Malcolm D	1635 Grant St., Berkeley, Cal	50
6MZ	McKimmins, Mark	849 Laurel St., Alameda, Cal	500
6RM	McLaughlin, Richard A.	420 5th Ave., San Francisco, Cal	50
6FM	McNabb, Floyd R	1886 Harmon St., Berkeley, Cal	880
6MR	McRoberts, Lewis H	3960 Elm St., San Diego, Cal	50
6DJ	Merritt, Lawrence G	252 Clinton St., Pasadena, Cal	600
6ЈМ	Michaels, Joe G	327 7th St., Richmond, Cal	. 50
6NV	Midgley, Roland	Menlo Park, Cal	50
6IA	Miles, Frederick F	1811 Encinal Ave., Alameda, Cal	250
6QY	Miley, Jerome	585 Bellefontaine Ave., Pasadena, Cal	250
6KT	Miller, Walter G	18 Hester Ave., San Jose, Cal	
6KJ	Mills, Eldon C	425 Orchard St., San Jose, Cal	15
6MI	Mirsky, Sylvian S	1834 McAllister St., San Francisco, Cal	500
6BE	Mitchell, John C	Mark West, Cal	1 000
6AI 6BI	Moore, Ernest	155 N. 9th St., San Jose, Cal	1,000
6 M O	Moore, Ezra Moore, Leon A	108 11th St., Redlands, Cal	500 100
6CM	Moore, Paul	3961 Juniper St., San Diego, Cal	500
6PP	Mora, Frank S	306 12th St., Oakland, Cal.	1,000
688	Morrow, James W	389 63d St., Oakland, Cal.	1,000
6WM	Morse, Willard A	416 E. 7th St., Oakland, Cal	500
6VY	Morton, J. Walter	610 Bellefontaine Ave., Pasadena, Cal	220
6WO	Mulford, Walter F	3900 Geary St., San Francisco, Cal	375
6MU	Murray, Donald W	70 Eureka St., Pasadena, Cal	120
6QG	Nelson, Martin A	65 Alverado St., San Leandro, Cal	1,000
6NB	Neumann, Edward R	2 Mastick Ter., Alameda, Cal	500
6NE	Newbould, C. Percy	351 26th St., San Diego, Cal	
6HQ	Newton, Henry G	5th St. and Bay Blvd., Coronado, Cal	80
6KN	Nicholson, Knox W	721 17th St., Oakland, Cal	
6NA	Nielsen, Anders	849 Athens Ave., Oakland, Cal	200
60R	Nielsen, Fred	136 Caine Ave., San Francisco, Cal	354
6NI	Nilli, Emil	34 Hester Ave., San Jose, Cal	60
6HA	Niver, Henry A	618 E. Center St., Anaheim, Cal	660
6SD	Northon, Selden	385 61st St., Oakland, Cal	1,000
6RN	Norton, Russell	825 1st St., Napa, Cal	500
6AW 6 PT	Nosler, Claud E	228 University St., Healdsburg, Cal	500
6BC	Nulsen, William B Oldham, William G., jr	545 San Benito St., Los Angeles, Cal	40 125
6OB	Oliver, Leslie R	720 Mendocino Ave., Santa Rosa, Cal 1116 N. Catalina Ave., Pasadena, Cal	275
6LJ	Olmstead, William H	1433 J St., Eureka, Cal	1,000
6HO	Olschefsky, Henry H	283 Ney St., San Francisco, Cal	80
6BZ	O'Neill, Frank J. M	1423 Oxford St., Berkeley, Cal	1,000
	Osborne, Butler D	153 6th Ave., San Francisco, Cal	500
$f^{6}UQ$	Oyarzo, Ben	343 49th St., Oakland, Cal	220
$6 \mathbf{HP}$	Pampinella, Harold	1755 Hayes St., San Francisco, Cal	50
6TK	Parker, Paul V	490 Geary St., San Francisco, Cal	500
6GK	Parkin, Gladys K	22 Terradillo Ave., San Rafael, Cal	
6LV	Passage, Raye L	1966 Bonita Ave., Los Angeles, Cal	1,000
6PA	Pattison, Alexander	3881 Telegraph Ave., Oakland, Cal	15
6VG	Patton, Claude W	195 Hill Ave., Pasadena, Cal	1,000
6DG	Patton, Nelson	194 N. El Molino Ave., Pasadena, Cal	330
6JV	Paul, Jack	184 Edgewood Ave., San Francisco, Cal	25
6PN	Pearson, Harry	1015 W. 78th St., Los Angeles, Cal	250
6SP	Peck, C. Sherman	1033 Cole St., San Francisco, Cal	20
6OL	Petersen, Odin T	490 E. 48th St., Los Angeles, Cal	220
6FP	Peterson, Frank E	2615 Virginia St., Berkeley, Cal	250
$_{ m 6LW}^{ m 6CD}$	Peterson, Walter Phelps, Allen G	2177 W. 29th Pl., Los Angeles, Cal	440 150
6TD	Phelps, Carl A	611 E. 17th St., Santa Ana, Cal 810 Petaluma Ave., San Rafael, Cal	
OID	1 rucihe, omi u	OTO T GOSTOTIUS TIAC. DELL DELEGE, ORI	. 1,000

Amateur Radio Stations—Sixth District—Alphabetically by Owners of Stations—Continued.

		Location of station.	Power.
	TM-11:1 (II1T)	OVER TO THE CALL AND A COL	Watts.
6KH	Philippi, Charles E	3467 E. 5th St., Los Angeles, Cal	250
6MK	Phillips, Manuel	1050 Cotton St., East Oakland, Cal	1,000
6IV	Pierson, Walter Pinard, Vivian E	Walnut Creek, Cal	500
6AE	Dittman Por F	505 San Salvador St., San Jose, Cal	20
6RP	Pittman, Roy F	1001 N. Pacific Ave., Glendale, Cal	1,000
6UO 6AO	Polkinghorn, Frank A Portal, Emile A	180 W. Date St., Riverside, Cal	150
6GP	Post, George W	142 Vine St., San Jose, Cal	32
6CR	Potter, Lee Roy		15 990
6BF	Powell, Meade W	Maple and Spadra Sts., Fullerton, Cal	263
6NW	Pressley, Jackson H	Cole Bldg., Warren, Ariz	275
6PR	Preston, Alva W	Euclid Ave., Garden Grove, Cal	210
6QO	Preston, Harold	Harmond Col	250
6PD	Pridham, Bertrand	885 Randolph St., Pomona, Cal	1,000
6DV	Prosser, Norman I	R. F. D. No. 2, Pasadena, Cal	990
6RV	Querolo, Louis	892 Isabella St., Oakland, Cal	250
6TQ	Quitsow, Chauncey M	2871 Logan Ave., San Diego, Cal.	500
6ÛB	Ray, George	2871 Logan Ave., San Diego, Cal	330
6UV	Reed, Carroll F	683 7th Ave., San Francisco, Cal	495
6PL	Reilly, John F	2425 94th Ave., Oakland, Cal	240
6SG	Reilly, John F Reiner, Rudolf	155 Front St., Santa Cruz, Cal	1,000
6UR	Richards, Hugh F	Hughson, Cal.	250
6RQ	Richardson, Charles, jr	Hughson, Cal. 406 W. 28th St., Los Angeles, Cal.	20
6EB	Richardson, Charles, ir.	929 W. 50th Pl., Los Angeles, Cal	330
6JP	Richardson, Charles, jr Richardson, Leslie	558 Chenery St., San Francisco, Cal	384
6RI	Richman, Clinton	541 W. Commonwealth St., Fullerton, Cal.	1,000
6RZ	Riese, Paul E	302 San Jose Ave., Los Gatos, Cal	300
6JX	Riley, William M	302 San Jose Ave., Los Gatos, Cal	330
6FR	Rodgers, Frank	82 Echo Ave., Oakland, Cal	
6NK	Roehrig, Russell S	501 S. Oakland Ave., Pasadena, Cal	500
6PE	Rogatsky, Carl H	526 16th St., San Diego, Cal	250
6BT	Rogers, Henry J	Vacaville, Cal	30
6BD	Rogers, Stuart De Witt	312 Orange St., Santa Rosa, Cal	200
6VH	Root, John Rose, George E	710 Pacific Ave., San Pedro, Cal	330
6GN	Rose, George E	105 Grattan St., San Francisco, Cal	250
6RO	Roussin, Cecil J	364 Lincoln Ave., Pasadena, Cal	
6RU	Rowley, Burton H	202 Cypress Ave., Santa Ana, Cal	1,000
6HR	Royden, Herbert N., jr	311 Ellsworth Ave., San Mateo, Cal	1,000
6GR	Rucker, George A	2639 Grant St., Berkeley, Cal	500
6EU	Rumble, Ernest	114 G St., Napa Cal	250
6DR	Sandham, Bert E Saveker, William T	1122 W. 55th St., Los Angeles, Cal	300
6MP	Courses Trains W	1156 Park Ave., San Jose, Cal	25
6IS	Sawyer, Irving W	Capitola, Cal	100
6HS	Schade, Henry	3118 Stillson Ave., Sacramento, Cal	180
6ES	Schaefer, Carl	336 Formert St. Oakland Cal	550 250
6QS 6OS	Schafer, Frank Scheidemantel, Oscar A.	336 Forrest St., Oakland, Cal	550
6VT	Schleicher Lorenz D	823 E. 28th St., Los Angeles, Cal	500
6TS	Schneider Tony	424 20th Ave., San Francisco, Cal	24
6WS	Schneider William P	2716 22d St., Fruitvale, Cal.	15
680	Schneider, Tony	2716 22d St., Fruitvale, Cal	250
6QZ	Schwartz, Sylvain A	1726 Sutter St., San Franciso, Cal	1,000
6EA	Seefred, Howard C. and Lyndon F.	339 S. Fremont Ave., Los Angeles, Cal	250
6TF	Seely, Frank	2615 Etna St., Berkeley, Cal	500
6ĈT	Seidel, William E	2717 Brighton Ave., Los Angeles, Cal	500
6QÎ	Seidel, William E Seidl, Alexander	3252 Prentiss St., Oakland, Cal	60
6NT	Selby, Charles J	3252 Prentiss St., Oakland, Cal	500
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6SE	Serex, John F	1820 Central Ave., Alameda, Cal	100

Amateur Radio Stations—Sixth District—Alphabetically by Owners of Stations—Continued.

			
Call signal.	Owner of station.	Location of station.	Power.
ATT11	G TT'II'		Watts.
6UN	Shaw, William A	924 26th St., San Diego, Cal	550
6SH	Shippam, Cecil H	3939 I St., San Diego, Cal	330
6FS	Short, Frank A	846 Walnut St., Riverside, Cal	270
6KO	Short, Ralph R	160 Dearborn St., Pasadena, Cal	1,000
6JS	Silvershield, Bernhard J.	832 W. 92d St., Los Angeles, Cal	36
6AX	Simney, Albert W	300 Joaquin Ave., San Leandro, Cal	275
6VR	Sisson, Waldo L	229 S. Cummings St., Los Angeles, Cal	550
6SK	Skaale, Arthur J	2937 Martinez Ave., Berkeley, Cal	250
6LZ	Slaght, Edward L	752 S. 9th St., San Jose, Cal	180
.6LS	Smelser, Laurel J	318 2d St., Napa, Cal	500
6SM	Smith, Hazel P	138 Wilshire St., Fullerton, Cal	250
6SX	Smith, Jesse A	1853 E. 53d St., Los Angeles, Cal	100
6QH	Smith, Marion R	Calaveras St., Pasadena, Cal	500
6NC	Smith, Norman E	115 I Ave., Coronado, Cal	
6TV	Soprano, Anthony	245 Clement St., San Francisco, Cal	250
6AS	Soules, Ernest H	75 Bush St., San Jose, Cal	18
6TG	Speir, Godfrey B	2731 Dwight Way, Berkeley, Cal	500
6GI	Spelt, George S	539 Day St., San Francisco, Cal	500
60E	Spence, Victor J	415 Bartlett St., San Francisco, Cal	50
6OJ	Spencer, Oscar J	35 Douglass St., San Francisco, Cal	90
6QA	St. Sure, Pettes	1209 La Fayette St., Alameda, Cal	300
6TY	Standiford, Vaughn H	382 Central Ave., Pacific Grove, Cal	550
6JR	Stauffer, John	601 Broderick St., San Francisco, Cal	250
6CO	Storm, Hans O	707 W. Broadway, Anaheim, Cal	495
6CJ	Stowe, Theodore E	41st Ave., Capitola, Cal	60
6GH	Stricker, George H., jr	1411 Oxford St., Berkeley, Cal	500
6SZ	Strong, Stuart E	268 Jayne St., Oakland, Cal	1,000
6WG	Strong, William A	721 Petaluma St., San Rafael, Cal	1,000
6SN	Sunderland, Arthur G	92 Mary St., Pasadena, Cal	990
6VB	Sundquist, Fred	2153 Albee St., Eureka, Cal	500
6SU	Sutherland, Clarence	2334 94th Ave., Oakland, Cal	990
6GS	Swartout, Glenn	1044 77th St., Los Angeles, Cal	500
6CV	Swinnerton, Kenneth	1242 W. 51st St., Los Angeles, Cal	275
6AAN	Sykes, Joseph	453 S. Hope St., Los Angeles, Cal	110
6EH	Taylor, Frank G	512 Oak St., San Francisco, Cal	100
6HX	Taylor, Howard L	394 15th St., San Pedro, Cal	330
6HI	Tessien, Henry	2929 Octavia St., Oakland Cal	220
6TX	Thacker, Roy M	931 Concord St., Los Angeles, Cal	800
6HT	Thayer, Halsey	2123 Oak St., Los Angeles, Cal	440
6TA	Thompson, Harold P	101 Rivoli St., San Francisco, Cal	500
6JT	Tibbitts, Jonathan C	1246 St. Charles St., Alameda, Cal	1,000
6GT	Timmermann, Gustave	256 California Ave., San Francisco, Cal	160
6TT	Tournat, Thomas	Garden Grove, Cal	250
6KG	Tripp, Dwight K	933 Gramercy Drive, Los Angeles, Cal	250
6AY	Tuggy, Arthur W	1289 Lemon St., Riverside, Cal	185
6FZ	Uhl, Fred, jr	436 S. Church St., Visalia, Cal	1,000
6DT	Underwood, Ernest G	Commercial St., Inglewood, Cal	250
6HU	Unger, Harry J	228 Grattan St., San Francisco, Cal	50
6JQ	Valentin, H	Fort St., Honolulu, Hawaii	500
6KA	Valentin, H	Kaimuki St., Honolulu, Hawaii	250
6AB	Valentine, Philip C	246 Perry St., Oakland, Cal	425
6GL	Van Auken, George L	→McKee and Jackson Sts., San Jose, Cal	
6LN	Van Cleave, Louis V	325 S. Flower St., Los Angeles, Cal	250
6OP	Van Horn, Kenneth	1457 E. 50th St., Los Angeles, Cal	60
6NH	Van Liew, Samuel C	825 Main St., Long Beach, Cal	100
6GV	Van Wagner, George	22 Franklin St., Santa Cruz, Cal	990
6KU	Vaughan, J. H	2325 Broadway, Oakland, Cal	800
6SV	Verney, Stanley S	406 Grand Blvd., San Mateo, Cal	216
6DF	Vogeley, Herbert H	341 Chestnut Ave., Long Beach, Cal	20
6VU	Vonderheide, Harold H.	Carson City, Nev	220
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Amateur Radio Stations—Sixth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power
		7	Watts
6VK	von Konigsberg, Charles.	1044 E. 15th St., Oakland, Cal	2
6BA	Wadsworth, Claude E	468 Matheson St., Healdsburg, Cal	25
600	Walden, Myran	1050 48th St., Oakland, Cal	60
6OC	Wallace, Donald C	1431 Linden Ave., Long Beach, Cal	15
6IG	Wallace, Edward A	156 Water St., Santa Cruz, Cal	1,00
6VV	Wallace, Forrest P	120 S. Monterey St., Alhambra, Cal	22
6CL	Walters, Clarence O	4326 Grand Ave., Los Angeles, Cal	35
6KQ	Ward, Charles D	2026 Center St., Berkeley, Cal.	25
6TJ	Warner, Stafford W	1829 West St., Oakland, Cal	25
6RR	Waterman, Russell R	4561 38th St., San Diego, Cal.	20
6QW			1,00
6WW	Waters, John E	2642 Baycroft Way, Berkeley, Cal	
6CS	Webb, Walter R	700 E. 47th St., Los Angeles, Cal	75
	Webber, Franklin C	632 N. Bunker Hill Ave., Los Angeles, Cal.	
6CI	Weber, Anton M	252 W. 43d St., Los Angeles, Cal	35
6WE	Weddell, Clarence C	553 Willis Ave., San Jose, Cal.	
6RW	Weisbrod, Raymond H	314 Lucas Ave., Los Angeles, Cal	25
SOW	Welling, Orville E	582 58th St., Oakland, Cal	5
SPX	Welsch, Louie	R. F. D. No. 1, Visalia, Cal	1,00
3JE	Welsh, Joseph E	55 Eureka St., Pasadena, Cal	- (
SEY	Werner, Edward A	2313 9th St., West Berkeley, Cal	1,00
6GW	Werner, George W., jr	3039 Adeline St., Berkeley, Cal	2
6DK	Wescott, Laurence M	Ocean Beach, Cal	- {
3PW	Weymouth, Percy E	1916 Woolsey St., Berkeley, Cal	1,00
6DX	Wheelock, Charles D	1235 Lemon St., Riverside, Cal	(
6UX	Whidden, Ira P	47-A Homestead Rd., Santa Clara, Cal	18
SAF	White, Clarence E	3024 Blossom St., Fruitvale, Cal	1,00
3VA	White, G. Richard	435 Oakland Ave., Pasadena, Cal	2
SFT	Wiese, Fred T	4174 17th St., San Francisco, Cal	50
BRL	Wiley, Ralph W	1250 26th Ave., San Francisco, Cal	50
BAAM	Willey, Oscar F	292 King St., Santa Cruz, Cal	2
SWV	Williams, Creah	228 E. San Carlos St., San Jose, Cal	
GX	Williams, George F	2700 High St., Oakland, Cal	50
BUG	Williams, Tom A	421 7th St., San Pedro, Cal	3
BH	Williamson, Harry	10 S. Church St., Redlands, Cal	
OG	Willis, Fred S	2140 California St., Eureka, Cal	
QB	Wilmot, Allen G	2114 3d Ave., Los Ángeles, Cal	50
NP	Wilson, J. Vernon	3847 6th St., San Diego, Cal	-
ME	Wilson, Maurice E	431 E. Victoria St., Santa Barbara, Cal	1,0
VZ	Winser, Lindley	200 22d St., Bakersfield, Cal	4
IT	Winship, Leslie W	4820 Jackdaw St., San Diego, Cal	-
MW	Wood, Melvin S	5101 S. Main St., Los Angeles, Cal	1,00
AK	Wright, John W	657 Asbury St., San Jose, Cal.	1,0
QR	Wright, Melvin H	241 18th St., Richmond, Cal	15
WU	Wulbern, Henry	1720 Nason St., Alameda, Cal.	6
BEI	Young, Bert C	1401 W. 9th St., Los Angeles, Cal.	5
SWY	Voung William H		
	Young, William H	829 E. 18th St., Oakland, Cal	2
SEW	Zahniser, Charles L	320 Lexington Ave., Rust, Cal	
6MQ	Zangraft, Thomas J	479 Cypress St., Pasadena, Cal	99

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.
6AA	Aster, Alvin K. Hemenway, Clyde C. Heaney, Clarence M. Mahn, Erich G. 773°—14——9	6AAE	Garcia, David.
6AAB		6AAF	Collins, Wayne A.
6AAC		6AAG	Gilbert, Phillip H.
6AAD		6AAH	Gilstrap, L. Frederick.

Amateur Radio Stations—Sixth District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	
6AAI	Gregory, Merle M.	6CG	Harty, Courtenay E.	
6AAJ	Linville, Charles R.	6CH	Haun, John K.	
6AAK	Green, Carl B., jr.	6CI	Weber, Anton M.	
6AAL	Lyon, John D.	6CJ	Stowe, Theodore E.	
6AAM	Willey, Oscar F.	6CK	Stowe, Theodore E. Kinsel, Charles M.	
6AAN	Sykes, Joseph.	6CL	Walters, Clarence O.	
6AAO	Alexander, Willard B.	6CM	Moore, Paul.	
6AB.	Alexander, Willard B. Valentine, Philip C.	6CO	Storm, Hans O.	
6AC	Capwell, Cebert.	6CP	Storm, Hans O. Lowe, William E.	
6AD	Childs, Ralph S.	6CQ	Hanson, Earl C.	
6AE	Pinard, Vivian E.	6CR	Potter, Lee Roy.	
6AF	White, Clarence E.	6CS	Webber, Franklin C.	
6AG	Chamberlain, Leon H.	6CT	Seidel, William E.	
6AH	Kessel, James H.	6CU	Maskey, Franklin E.	
6AI	Mooers, Ernest.	6CV	Swinnerton, Kenneth.	
6AJ	Bean, James.	6CX	Frunk, Carl G.	
6AK	Wright, John W.	6CY	Cooper, Charles P.	
6AL	Brandis, Fred A.	6CZ	Everard, Charles E.	
6AM	Buckley, Ernest V. Guidotti, W. F.	en.	Danne Balak E	
6AN 6AO		6DA	Brown, Ralph E.	
6AP	Portal, Emile A.	$\begin{array}{c c} \textbf{6DC} \\ \textbf{6DD} \end{array}$	Hibbard, Charles H., jr.	
	Brown, Victor.	6DE	Clark, Victor M.	
6AQ 6AR	De La Cruz, George.	6DF	Curtis, Burbank.	
6AS	Greenquist, Elmer A.	6DG	Vogeley, Herbert H. Patton, Nelson.	
6AU	Soules, Ernest H. Clark, Paul U.	6DH	Grimes, W. Frank.	
6AW	Nosler, Claud E.	6DI	Cookson, Howard A.	
6AX	Simney, Albert W.	6DJ	Merritt, Lawrence G.	
6AY	Tuggy, Arthur W.	6DK	Wescott, Laurence M.	
6AZ	Downing, Alan S.	6DL	Espe, Oliver E.	
	6,	6DM	Archer, Robert P.	
6BA	Wadsworth, Claude E.	6DP	Grundell, Hubert.	
6BC	Oldham, William G., jr.	6DQ	Holmes, Joseph J.	
6BD	Rogers, Stuart De Witt.	6DR	Sandham, Bert E.	
6BE	Mitchell, John C.	6DS	Adams, Charles C.	
6BF	Powell, Meade W.	6DT	Underwood, Ernest G.	
6BG	Grates, John.	6DV	Prosser, Norman I.	
6BH	Williamson, Harry.	6DW	De Wald, Alfred S.	
6BI	Moore, Ezra.	6DX	Wheelock, Charles D. Caldwell, Duncan K.	
6BJ	Edwards, Lewis W.	6DZ	Caldwell, Duncan K.	
6BK 6BL	Frost, William H.	6EA	Seefred Howard C and I am	
6BM	Kather, Karl E.	OEA	Seefred, Howard C. and Lyndon F.	
6BO	Godwin, Merle H. Mattoon, Stanley F.	6EB	Richardson, Charles, jr.	
6BP	Bauer, Roy M.	6ED	Flinspach, J. Henry.	
6BQ	Baer, Charles M.	6EE	Griffin, Clyde S.	
$6\overline{B}$ \ddot{R}	Manasse, Mervyn H.	6EG	Aten, Arthur B.	
6BS	Davidson, G. Edward.	6EH	Taylor, Frank G.	
6BT	Rogers, Henry J.	6EI	Young, Bert C.	
6BV	Drake, Charles.	6EJ	Bean, Arthur E.	
6BW	Hyde, Stanley E.	6EK	Eiferle, Chrissie.	
6BX	Barrett, Eldridge D.	6EL	Le Fevre, Eugene.	
6BZ	O'Neill, Frank J. M.	6EM	Marlin, Evan S.	
		6EN	de Neuf, Emil A.	
6CA	Corby, Grant W.	6EO	Blake, Albert W.	
6CB	Fisher, Frank L.	6EP	Davis, Elwood.	
6CC	Hilleary, Frank J. Peterson, Walter.	6EQ	Maher, Zacheus J.	
6CD 6CE	receison, wanter.	6ER	Bailey, Cecil.	
6CF	Kilto, Carl.	6ES 6ET	Schaefer, Carl.	
UOF	McClatchy, Keith.	OPI	Fenner, Paul R.	

Amateur Radio Stations—Sixth District—Alphabetically by Call Signals—Continued.

Callsignal.	Owner of station.	Call signal.	Owner of station.
6EU	Rumble, Ernest.	6HF	Flenner, Harry A.
6EW	Zahniser, Charles L.	6HI	Tessien, Henry.
6EX	King, William E.	6HJ	McIntosh, Harold St. J.
6EY	Werner, Edward A.	6HK	Krauter, Howard R.
6EZ	Christie, A. Edwin.	6HL	Linhoff, Harold R.
ULL	Omibue, 71. Dawin.	6HM	Mansfelt, J. Harold.
6FA	Arnberger, Frank, jr.	6HN	Heinz, Albert.
6FB	Farlinger, Ernest.	6HO	Olschefsky, Henry H.
6FC	Carey, Francis K.	6HP	Pampinella, Harold.
$_{ m 6FD}$	Deardorf, Francis H.	6HQ	Newton, Henry G.
6FE	Felt, Clarence J.	6HŘ	Royden, Herbert N., jr.
6FG	Granger, Floyd.	6HS	Schade, Henry.
6FH	French, Donald K.	6HT	Thayer, Halsey.
6FI	Eveleth, Harlan A.	6HU	Uncer Harry I
6FJ	Barnum, Coit L.	6HV	Unger, Harry J. Ferrill, Herbert E.
6FK	Frank, Walter.	6HW	La Barre, Harold J.
6FL	Faneuf, Forrest E.	6HX	Taylor, Howard L.
6FM 6FO	McNabb, Floyd R.	6HY 6HZ	Ebeling, Hyde S. Hoffman, Harold H.
6FP	Fones, Robert.	OHZ	Homman, Harold II.
	Peterson, Frank E.	et a	Miles Frederick F
$_{ m 6FR}^{ m 6FR}$	Holt, Felix.	6IA 6IC	Miles, Frederick F.
	Rodgers, Frank.		Austin, Russell F.
6FS	Short, Frank A.	6IE	Chambers, James.
6FT 6FU	Wiese, Fred T.	6IF	Farwell, Ivyn.
	Bergstrom, R. Bernard. Brockett, Charles.	6IG	Wallace, Edward A.
6FV	Cross Fred M	6IH	Hazleton, Ralph L.
6FX 6FY	Cross, Fred M.	6II 6IJ	Ferguson, E. Franklin. Boehme, Herbert L.
6FZ	Buell, Clarence R.		
0F Z	Uhl, Fred, jr.	6IM 6IO	Matsuda, Fukuzo.
6GA	Correct Edward D	6IQ	Buchanan, Roy J.
	Garratt, Edward D.		Cornell, Ezra B.
6GB	Bowlus, Glen H.	6IR	Irey, Earl R.
6GC 6GD	Hall, Gordon V. Day, Elwin C.	6IS 6IT	Sawyer, Irving W.
6GE		6IU	Winship, Leslie W.
6GF	Gerlach, William G. Farmer, Gordon.	6IV	McCleery, Ralph A. Pierson, Walter.
6GG	Gildersleeve, Given.	6IW	Kreiss, Rudolph L.
6GH	Stricker, George H., jr.	6IX	McCreery, Maurice E.
6GI	Spelt, George S.	6IZ	Leeper, Ernest W.
6GJ	Gaugh, H. E. F.	012	Leeper, Ernest W.
6GK	Parkin, Gladys K.	6JA	Janes, Charles V.
6GL	Van Auken, George L.	6JB	Brown, Julian T.
6GN	Rose, George E.	6JC	Chase, John H.
6GO	Goss, William M.	6JE	Welsh, Joseph E.
6GP	Post, George W.	6JF	Forsburg, Joe A.
6GQ	Magee, Clark.	6JG	Gould, Gordon.
6GŘ	Rucker, George A.	6JH	Berry, Charles A.
6GS	Swartout, Glenn.	6JI	Jackson, Chester M.
6GT	Timmermann, Gustave.	6JJ	Jessup, John H.
6GU	Gurnette, Bernard A.	6JK	Klemgard, James G.
6GV	Van Wagner, George.	6JL	McGiffin, James.
6GW	Werner, George W., jr.	6ЈМ	Michaels, Joe G.
6GX	Williams, George F.	6 J O	Johnson, Clarence N.
6GZ	Edgar, George P.	6JP	Richardson, Leslie.
UUZ	Dugar, Goorgo I.	6JQ	Valentin, H.
6HA	Niver, Henry A.	6JŘ	Stauffer, John.
6HB	Baker, Harry G.	6JS	Silvershield, Bernhard J.
6HC	Craig, Harold F.	6JT	Tibbitts, Jonathan C.
$_{ m 6HD}^{ m 6HD}$	Dickow, Henry.	6JŪ	Fisher, Jules.
6HE	Eastling, Harvey.	6JV	Paul, Jack.
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Amateur Radio Stations—Sixth District—Alphabetically by Call Signals—Continued.

Callsignal.	Owner of station.	Call signal.	Owner of station.
6JW	Gastman, Henry.	6ME	Wilson, Maurice E.
6JX	Riley, William M.	6MF	Aymar, Clarence A.
6JY	Browne, G. R. A., jr.	6MG	Glindemann, Melvern.
6JZ	Charters, John R.	6MI	Mirsky, Sylvian S.
	- Charles, Conn 14.	6MJ	Jones, Myron A.
6KA	Valentin, H.	6MK	Phillips, Manuel
6KB	Lankston, Jesse M.	6MM	Phillips, Manuel. McKay, Malcom D.
6KC	Dinley, Laurence J.	6MN	Maher, Edward T.
6KD	Dutton, Kingsley.	6MO	Moore, Leon A.
6KE	Dogan, Kenneth D.	6MP	Saveler William T
6KF	Filhon Fronk		Saveker, William T. Zangraft, Thomas J.
6KG	Filben, Frank. Tripp, Dwight K.	6MQ 6MR	MoDoborto Lorris H
	Dhilinni Charles F		McRoberts, Lewis H.
6KH	Philippi, Charles E.	6MS	Carson, E. A.
6KI	Kispert, Charles H.	6MT	Berringer, Hall.
6KJ	Mills, Eldon C.	6MU	Murray, Donald W. MacMullen, Gerald.
6KK	Kincaid, Kenneth.	6MV	MacMullen, Geraid.
6KM	Everett, J. Victor.	6MW	Wood, Melvin S.
6KN	Nicholson, Knox W.	6MX	Magill, Clyde E.
6KO	Short, Ralph R.	6MY	Johnston, Robert.
6KP	Heagney, Elmer D.	6MZ	McKimmins, Mark.
6KQ	Ward, Charles D.		
6KR	Center, Hugh. Martin, Neal D.	6NA	Nielsen, Anders.
6KS	Martin, Neal D.	6NB	Neumann, Edward R.
6KT	Miller, Walter G.	6NC	Smith, Norman E.
6KU	Vaughan, J. H.	6ND	Breck, F. Bon.
6KW	Fisk, Alfred C.	6NE	Newbould, C. Percy.
6KX	Jones, Walter.	6NF	Hillier, H. H.
6KY	Andrews, Harold S.	6NG	Gerlach, Leonard.
6KZ	Beaver, Gerald A.	6NH	Van Liew, Samuel C.
	,	6NI	Nilli, Emíl.
6LA	Blochman, Lawrence G.	6NJ	Cunningham, Edward J.
6LB	Barton, Larry J. Comins, Frank L.	6NK	Roehrig, Russell S. Horton, Stephen E.
6LC	Comins, Frank L.	6NL	Horton, Stephen E.
$6\overline{\mathrm{LD}}$	Anderlini, Louis J.	6NM	Eidemiller, Charles H.
6LE	Lee, Daniel.	6NO	Donaldson, Ernest S.
6LF	Alexander, Lee.	6NP	Donaldson, Ernest S. Wilson, J. Vernon.
6LG	Gianini, Leo G.	6NQ	Francis, Ernest R.
6LH	Hunt, Lloyd F.	6NR	Johnson, J. William.
6LI	Isaacs, Louis R.	6NT	Selby, Charles J.
6LJ	Olmstead, William H.	6NU	Adkins, Edward S.
6LK	McCargar, Lincoln.	6NV	Midgley, Roland.
6LL	Griffith, William M.	6NW	Proselay Tackson H
6LM	Martinalli Lloyd A	6NX	Colvert Paul P
6LN	Martinelli, Lloyd A. Van Cleave, Louis V.	6NY	Pressley, Jackson H. Calvert, Paul P. Carroll, Elvin K.
6LO		6NZ	Emmerling, Herbert J.
6LP	Lory, C. S.	0112	Emmering, merbert J.
	Gray, Clifford. Lowe, Sarn K.	COA	McCortney Goorge
6LQ		6OA	McCartney, George.
6LR	Guenther, Leo H.	60B	Oliver, Leslie R.
6LS	Smelser, Laurel J.	6OC	Wallace, Donald C.
6LT	Downs, La Roy.	6OD	Cook, John A.
6LU	Hoffman, Lucien C.	6OE	Spence, Victor J.
6LV	Passage, Kave L.	60F	Doty, Arthur H.
6LW 6LX	Phelps, Allen G.	60 <u>G</u>	Willis, Fred S.
6LX	Berlin, Latham.	60H	Bull, Harold F.
6LY	Ladley, William A. Slaght, Edward L.	60I	Dawson, J. Percy.
6LZ	Slaght, Edward L.	6OJ_	Spencer, Oscar J.
		60K	Dillon, Lyle.
6MA	Max, Charles A.	6OL	Petersen, Odin T.
6MB	Baden, Merle L.	60 M	Kaufmann, Irwin.
		" 6ON	Germain, Ĥ.

Amateur Radio Stations—Sixth District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
6OO	Walden, Myran.	6QX	Baird, Maxfield A.
60P	Van Horn, Kenneth.	6QY	Miley, Jerome.
60Q	King, Clarance A.	6QZ	Schwartz, Silvain A.
60 Ř	Nielsen, Fred.		
6OS	Scheidemantel, Oscar A.	6RA	Brandt, Robert L.
6OU	Eldredge, George E.	6RB	Brumter, Ralph.
6OV	Doig, John H., jr.	6RC	Brumter, Ralph. Cook, J. Ralph.
6OW	Welling Orville E	6RD	Hogaboom, Raymond.
6OX	Martin, Andrew W., ir.	6RE	Esplen, Elmer R.
60 Y	Ovarzo, Ben.	6RF	Frier, Robert L.
6OZ	Martin, Andrew W., jr. Oyarzo, Ben. Burge, Walter M.	6RG	Downs, Robert.
		6RH	Hare, Ralph M.
6PA	Pattison, Alexander.	6RI	Richman, Clinton.
6PB	Bradley, Philip L.	6RJ	Jones, Russell B.
6PD	Pridham, Bertrand.	6RK	Kerns, Roy.
6PE	Rogatsky, Carl H.	6RL	Wiley, Ralph W.
6PF	Allen, Preston D.	6RM	McLaughlin, Richard A.
6PG	Gillmore, Purcell.	6RN	Norton, Russell.
6PI	Hyndman, Elmore. McDonald, Byron C.	6RO	Roussin, Cecil J. Pittman, Roy F.
6PJ	McDonald, Byron C.	6RP	Pittman, Roy F.
6PK	Kyes, Percy I	6RQ	Richardson, Charles, jr.
6PL	Reilly, John F.	6RR	Richardson, Charles, jr. Waterman, Russell R.
6PM	Bolton, Harold B.	6RT	Cornish, Lester R.
6PN	Pearson, Harry.	6RU	Rowley, Burton H.
6PO	Drath, Walter J.	6RV	Querolo, Louis.
6PP	Drath, Walter J. Mora, Frank S.	6RW	Weisbrod, Raymond H.
6PQ	Harvey, George C.	6RX	Gray, Harold G.
6PR	Preston, Alva W.	6RY	Bullard, Orlan K.
6PS	Henn, Charles W.	6RZ	Riese, Paul E.
6PT	Nulsen, William B.		
6PU	Lordge, Albert.	6SA	Johnson, F. Kenneth.
6PV	Czapkay, Edward.	6SB	Bisson, Charles S.
6PW	Weymouth, Percy E.	6SC	Schroder, Harold L.
6PX	Welsch, Louie.	6SD 6SE	Northon, Selden.
6PY	McCullough, Harold.	6SF	Serex, John F.
6PZ	Brown, Robert L.	6SG	Mack, S. Franklin.
60 A	St Suma Datton	6SH	Reiner, Rudolf.
$egin{array}{c} 6 \mathrm{QA} \\ 6 \mathrm{QB} \end{array}$	St. Sure, Pettes.	6SI	Shippam, Cecil H. Hoyt, Leander L.
	Wilmot, Allen G.	6SJ	Indart, Carl A.
$egin{array}{c} 6 \mathbf{Q} \mathbf{C} \\ 6 \mathbf{Q} \mathbf{D} \end{array}$	Christensen, V. H. Adam, Carl F., jr.	6SK	Skaale, Arthur J.
6QE	Dodge, Earl E.	6SL	Leach, Stanley P.
6QF	Biber, Albert L.	6SM	Smith, Hazel P.
$6\widetilde{\mathbf{QG}}$	Nelson, Martin A.	6SN	Sunderland, Arthur G.
$\widetilde{\mathbf{6QH}}$	Smith, Marion R.	6SO	Bunting, Howard S.
$\widetilde{6QI}$	Seidl, Alexander.	6SP	Peck, C. Sherman.
$\tilde{\mathbf{6QJ}}$	Chamberlain, George E.	6SQ	Fonseca, Arthur,
$6\tilde{\mathbf{Q}}\mathbf{K}$	Gill, Fred M.	6SS	Morrow, James W. Evans, Bryan.
$6 m \widetilde{Q}L$		6ST	Evans, Bryan.
6QM	Barker, Waldo W. Ensign, Millard J.	6SU	Sutherland, Clarence.
6QN	Abbott, Raymond B.	6SV	Verney, Stanley S.
6QO	Preston, Harold.	6SW	Anderson, Elroy E.
6QO 6QP	Beament, Thomas. Finnell, Phillip S.	6SX	Smith, Jesse A.
6QQ	Finnell, Phillip S.	6SY	Smith, Jesse A. Carroll, Russell W.
6QR	Wright, Melvin H.	6SZ	Strong, Stuart E.
6QS	Schafer, Frank.		
6QT	Bennett, George S.	6TA	Thompson, Harold P. Boudinot, Truman E.
6QU	Floud, J. Harold.	6TB	Boudinot, Truman E.
6QV	Echlin, Jack E.	6TC	Fisher, Thomas A.
6QW	Waters, John E.	∥ 6TD ·	Phelps, Carl A.

Amateur Radio Stations—Sixth District—Alphabetically by Call Signals—Continued.

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Call signal.	Owner of station.	Call signal.	Owner of station.
6TE	Eisenhuth, Thomas V.	6VD	Loudon, Donald F.
6TF	Seely, Frank.	6VF	Falk, Victor H.
6TG	Speir, Godfrey B.	6VG	Patton, Claude W.
6TH	Hall, Thomas C.	6VH	Root, John.
6TI	Johnson, Melvern L.	6VI	Lambert, Tom.
6TJ	Warner, Stafford W.	6VJ	Barbour, Joseph L.
6TK	Parker, Paul V.	6VK	von Konigsberg, Charles.
6TM	Lee, Howard R.	6VL	Kaiser, Erlin.
6TN	Beckman, Philip E.	6VM	Anderson, Herbert E.
6TO	McFern, Arthur L.	6VN	Dorcy, Ben H., jr.
$6\overline{T}P$	Johnson, Harold M.	6VO	Lee, John A.
6TQ	Quitsow, Chauncey M.	6VP	Hancock, Hadys D.
6TŘ	Farrell, Raymond.	6VQ	Benner, Bryan.
6TS	Schneider, Tony.	6VŘ	Benner, Bryan. Sisson, Waldo L.
6TT	Tournat, Thomas.	6VS	Bauman, Warren C.
6TV	Soprano, Anthony.	6VT	Schleicher, Lorenz D.
6TW	Davidson, Stanley E.	6VŪ	Vonderheide, Harold H.
6TX	Thacker, Roy M.	6VV	Wallace, Forrest P.
6TY	Standiford, Vaughn H.	6VW	Beraldo, Dewey.
6TZ	Harmon, Orville A.	6VX	Loos, William V.
012	naimon, ot vine ii.	6VY	Morton, J. Walter.
6UA	Asadoorian, Theodore N.	6ŸŽ	Winser, Lindley.
6UB	Ray, George.	""	Winser, Dinarcy.
6UE	Kramer, Augustus A.	6WA	Anthes William F ir
6UF	Kemp, Thomas J.	6WB	Anthes, William F., jr. Booth, Wilber C.
6ÜG	Williams, Tom A.	6WC	Cornish, Warren D.
6UH	Gates, Howard C.	6WD	Hemsley, Will.
6UI	Lindsay, Edward G.	6WE	Weddell, Clarence C.
$6\overline{\mathbf{U}}\overline{\mathbf{J}}$	Delius, Herbert A.	6WF	Ford, Walter B.
6UK	Heald's Business College.	6WG	Strong, William A. Hill, William F.
6UL	Herzog, Aurelius.	6WH	Hill. William F.
6UM	Freeman, Elmer D.	6WI	Cusick, William J.
6UN	Shaw, William A.	6WJ	Bechtel, Warren, ir.
6UO	Polkinghorn, Frank A.	6WK	Bechtel, Warren, jr. Koerber, Walter A. Leland, Wallace H.
6UP	Creswell, Frank, jr.	6WL	Leland, Wallace H.
6ÜQ	Osborne, Butler D.	6WM	Morse, Willard A.
6UŘ	Richards, Hugh F.	6WN	Kelly, Wallace N.
6US	Gibson, Walter L.	6WO	Mulford, Walter F.
6UT	Everard, Charles E.	6WP	Donelson, William E., jr.
6UU	Shaffner, Lucius.	6WQ	Cowles, John.
6UV	Reed, Carroll F.	6WR	Bigler, Anson S.
6UW	Maynes, Walter W.	6WS	Schneider, William P.
6UX	Whidden, Ira P.	6WT	Mann, Frank W.
6UY	Everharty, Laurence.	6WŪ	Wulbern, Henry.
6UZ	Gosmann, Jack L.	6WV	Williams, Creah.
		6WW	Webb, Walter R.
6VA	White, G. Richard.	6WX	Ebert, Howard W.
6VB	Sundquist, Fred.	6WY	Young, William H.
6VC	Gottwald, Eugene A.	6WZ	Capps, Delphin,
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AMATEUR RADIO STATIONS-Continued.

SEVENTH DISTRICT.

[Headquarters: Customhouse, Seattle, Wash. The seventh district comprises the States of Oregon, Washington, Idaho, Montana, Wyoming, and the Territory of Alaska.]

Callsignal.	Owner of station.	Location of station.	Power.
			Watts.
7EA	Adams, Edison	1020½ Tacoma Ave., Tacoma, Wash	50
7AB	Anderson, Alfred S	1253 Grand Ave., Astoria, Oreg	100
7CB	Bennett, Cecil H	Rainier, Oreg	500
7AT	Bennett, Henry	3125 Oakes Ave., Everett, Wash	660
7AS	Bird, Lester F	909 Blewett St., Seattle, Wash	470
7DB	Bolstad, Archie L	1832 4th Ave. W., Seattle, Wash	16
7FB	Boswell, George	3887 16th St. SW., Seattle, Wash	440
7HB	Breum, Helmer O	3416 S. Madison St., Tacoma, Wash	200
7BB	Brown, David M	4943 73d St. SE., Portland, Oreg	100
7GB	Butterfield, George H	815 Kearney St., Portland, Oreg	960
7WC	Cates, Walter C	1704 Franklin St., Vancouver, Wash	1,000
7VC	Coburn, William D	Ashland, Oreg	550
7EC	Covey, E. Channing	2429 Baker Ave., Everett, Wash	1,000
7DC	Crockett, George D	1420 Hawthorne Ave., Portland, Oreg	240
7AP	Crossley, Jack	1053 Vaughn St., Portland, Oreg.	500
7HC	Cutting, H. Everett	231 W. Main St., Bozeman, Mont	500
7AC	Dailey, Arthur C	3915 Colby Ave., Everett, Wash	550
7HD	Dailey, Arthur C Davis, Hubert A	1904 Canoe Pl., Seattle, Wash	500
7PD	Davis, Percy E	28 E. 60th St., Portland, Oreg	450
7AN	Dolloff, Ralph E	3724 Colby Ave., Everett, Wash	660
7AD	Douglas, Alfred E	824 East E St., Grants Pass, Oreg	1,000
7MD	Durkee, Mealon	713 St. Helens Ave., Tacoma, Wash	500
7CE	Eichelberger, H. Carl	715 N. 9th St., Boise, Idaho	770
7BA	Elbon, Jennings	2122 Commercial St., Astoria, Oreg	500
7ME	Elliott, Morton W	635 S. Atlantic St., Dillon, Mont	300
7CF	Farrar, Clyde L	311 Wimer St., Ashland, Oreg	55
7FF	Farris, Frank E	1604 Spring St., Olympia, Wash	250
7EF	Ford, Edwin D., jr	Weiser Idaho	150
7GF	Gibbs, Floyd F	512 E. 4th St., Hood River, Oreg.	275
7CG	Gillespie, Charles R	Kalama, Wash	75
7RO	Grant, Robert E	1317 Fort St., Boise, Idaho	500
7FG	Gruwell, Fred N	616 Concord St., Bremerton, Wash	500
7CH	Hansen, Carl L	5415 6th Ave. NW., Seattle, Wash	400
7BD	Hansen, Carl L Hapner, Harry	1213 Harris St., South Bellingham, Wash.	50
7AH	Hardesty, Adolph	195 3d St., Astoria, Oreg	
7EE	Hawkins, Edward K	1800 27th Ave. S., Seattle, Wash	250
7HH	Hayden, Harold L	560 Balm St., Walla Walla, Wash	275
7GC	Henny, George C	530 Heights Ter., Portland, Oreg	32
7GH	Henny, George C Hess, George F	1604 Van Buren St., Corvallis, Oreg	330
7HI	Higman, Harry H	Hamilton, Mont	200
7PH	Hoffmann, Philip	Hamilton, Mont. 621 S. 1st St., Walla Walla, Wash.	220
7AQ	Holm. Paul E	422 Blackstone St., Portland, Oreg	100
7HU	Hursh, Harold H	Medical Springs, Oreg	600
7EJ	Jackson, Edgar F	1135 Thurman St., Portland, Oreg	150
7DJ	John, D. Morris	745 N. 9th St., Corvallis, Oreg	
7AI	Johnson, Clifford E	1004 N. Adams St., Tacoma, Wash	450
7GJ	Johnson, Gale H	124 Queen Anne Ave., Seattle, Wash	660
7JJ	Johnson, Joseph E	2716 Grand Ave., Everett, Wash	495
7HJ	Jones, Henry L	1111 E. Cherry St., Seattle, Wash	250
7AK	Koester, Alpha M	Near North Powder, Oreg	450
7EL		1747 26th Ave. N., Seattle, Wash	550
7LA	La Pine, Earl Larson, Walter L	1700 W. 57th St., Seattle, Wash	500
7CL	Law, Charles J	Union, Oreg	1,000
7FW	Lee, Emery H. I	1412 Summit Ave., Seattle, Wash	550
7FL	Ling, Frank Moy	506 Mill St., Portland, Oreg	50
7HL	Longmire, Harold D		125

Amateur Radio Stations—Seventh District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power
			Watts.
7 MM	Mathison, Martin J	4102 N. 13th St., Tacoma, Wash	220
7HM	McCandless, Howard F	204 S. Tacoma Ave., Tacoma, Wash	1,000
7MC	McClelland, Joseph S	1128 15th St., Seattle, Wash	500
7AW	Meals, Owen E	Valdez, Alaska	25
7JO	Methven, John H	Ronald-by-Roslyn, Wash	1:
7MH	Middlekauff, Mark II	N. 27th St., Corvallis, Oreg	
7EM	Miller, E. Clarence	504 E. Republican St., Seattle, Wash	130
7DM	Minkler, Darrell	240 C St., Ashland, Oreg	550
7MI 7AG	Minter, John W	610 E. 19th St., Cheyenne, Wyo	1,00
7RD	Moe, George Montgomery, Jack II	5006 52d St. SE., Portland, Oreg	10
7RC	Mood, George T	Clarkston, Wash	10
7GM	Moore, Gale L	4735 58th St. SE., Portland, Oreg	1,00
7LN	Nagle, Leo W	1109 Washington St., Vancouver, Wash	1,00
7IN	Nelson, Ivan L	1003 N. 12th St., Boise, Idaho	49
70N	Nicholson, W. Otto	3115 S. 7th St., Tacoma, Wash	1,000
7ŘĚ	Nitschke, Erville W	346 E. 34th St., Portland, Oreg	7 10
7SN	Norman, Stacy W	137 N. 79th St., Seattle, Wash	50
7 I O	O'Donoughue, Ivan	355 Almond St., Ashland, Oreg.,,,,	50
7KP	Pennebaker, Kenneth T.	R. F. D. No. 1, Tangent, Wash	250
7CP	Peterson, C. Edward	1008 Raleigh St., Portland, Oreg	37
7CW	Peterson, Charles W	2922 3d Ave. W., Seattle, Wash	500
7EP	Peterson, Edward T	718 E. Ash St., Portland, Oreg	4
7AO	Piercy, Russell H	313 Tillamook St., Portland, Oreg	100
7HP	Pyle, Howard S	3311 S. 37th Ave., Seattle, Wash	
7WR	Rogers, Wilber L	2304 Monroe St., Corvallis, Oreg	
7AV	Root, Charles W	905 Jersey St., St. Johns, Oreg	150
7AR	Root, Dellmar A	631 Buchanen St., St. Johns, Oreg	47
7LR	Ross, Lindsley W Roy, James	590 Main St., Portland, Oreg	930
7 JQ 7BČ	Ruth, Orin S	622 W. G St., Grants Pass, Oreg	500
7AF	Scrutton, Gerald	330 E. 35th St., Portland, Oreg	30
7DS	Shingler, Don G	208 W. 19th St., Cheyenne, Wyo	150
7ÃÃ	Skyles, Theron G	522 11th St., Astoria, Oreg	7
7US	Slewing, Vere T	531 W. Palm St., Medford, Oreg	1,00
7HS	Slocum, Herbert R	47 E. 9th St. South, Portland, Oreg	30
7VS	Small, Vincent	2322 Wetmore Ave., Everett, Wash	93
7LS	Smith. Lloyd T	468 Oak St., Ashland, Oreg	25
7AJ	Sorensen, Chester J	1031 Quimby St., Portland, Oreg	10
7WS	Sorensen, Chester J Sparrow, William T	932 W. 63d St., Seattle, Wash	550
7BS	Spencer, Arthur	2519 Fulton St., Everett, Wash	99
7WQ	Stedman, William	Kake, Alaska	2
7SW	Swan, Emil	1461 Portsmouth Ave., Portland, Oreg	1,000
7AE	Thomas, Edward J	Cœur d'Alene, Idaho	2
7LT	Thompson, Lloyd S	109 5th St., Hamilton, Mont	170
7JR 7JT	Tolmie, Jack R	1213 Columbia St., Seattle, Wash	10 25
7AZ	Tyler, John L	505 S. 4th St., Hamilton, Mont	
7KW	Warner, Archie	Deer Park, Wash	500 220
7RV	Westcott, Roy	1607 N. 19th St., Boise Idaho	1,000
7HT	Whelan, Harold J	1607 N. 19th St., Boise, Idaho	50
7BW	Williams, Charles E	8326 13th Ave. NW. Seattle Wash	56
7DW	Willis, Cecil D	1316 Columbia St., Seattle, Wash	10
7GW	Wilson, George D	1022 E. Heron St., Aberdeen, Wash	1,000
7JW	Wilson, John C.	295 N. 24th St., Portland, Oreg	700
7HW	Winningham, Harold	3701 N. 18th St., Tacoma, Wash	
7LW	Wollaston, Arthur L	541 19th Ave., Seattle, Wash	90
7RB	Wormington, Ralph V	104 Park St., Milton, Oreg	330
7RW	Wright, Raymond F	R. F. D., Port Orchard, Wash	440
7GA	Wurtz, George A	Hanford, Wash	990

AMATEUR RADIO STATIONS—SEVENTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

ALPHABETICALLY BY CALL SIGNALS.

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Call signal.	Owner of station.	Call signal.	Owner of station.
7AA	Skyles, Theron G.	7GA	Wurtz, George A.
7AB	Anderson, Alfred S.	7GB	Butterfield, George H.
7AC	Dailey, Arthur C.	7GC	Henny, George C. Gibbs, Floyd F. Hess, George F.
7AD	Douglas, Alfred E.	7GF	Gibbs, Floyd F.
7AE	Thomas, Edward J.	7GH	Hess, George F.
7AF	Scrutton, Gerald.	7GJ	Johnson, Gale H.
7AG	Moe, George.	7GM	Moore, Gale L.
7AH	Hardesty, Adolph.	7ĞW	Wilson, George D.
7AI	Johnson, Clifford E.	'~''	William, Goorge D.
7AJ	Sorenson, Chester J.	7HB	Breum, Helmer O.
7AK	Kooster Alpha M	7HC	Cutting, H. Everett.
7AN	Koester, Alpha M. Dolloff, Ralph E.	7HD	Davis, Hubert A.
7AO	Piercy, Russell H.	7HH	Harden Harold
7AP	Crossler Isola	7HI	Hayden, Harold.
710	Crossley, Jack.		Higman, Harry H.
7AQ	Deat Dellerer A	7HJ	Jones, Henry L.
7AR	Holm, Paul E. Root, Dellmar A. Bird, Lester F.	7HL	Longmire, Harold D.
7AS	Diru, Lester F.	7HM	McCandless, Howard F.
7AT	Bennett, Henry.	7HP	Pyle, Howard S.
7AV	Root, Charles W.	7 <u>HS</u>	Slocum, Herbert R.
7AW	Meals, Owen E.	7HT	Whelan, Harold J. Hursh, Harold H.
7AZ	Warner, Archie E.	7 <u>HU</u>	Hursh, Harold H.
		7HW	Winningham, Harold.
7BA	Elbon, Jennings.		
7BB	Brown, David M.	71N	Nelson, Ivan L.
7BC	Ruth, Orin S.	7IO	O'Donoughue, Ivan.
7BD	Hapner, Harry.		
7BS	Spencer, Arthur.	· 7JJ	Johnson, Joseph E.
7BW	Williams, Charles E.	7 J O	Methven, John H.
		7JQ	Roy, James.
7CB	Bennett, Cecil H.	7JR	Tolmie, Jack R.
7CE	Eichelberger, H. Carl.	7JT	Tyler, John L.
7CF	Farrar, Clyde L.	7JW	Wilson, John C.
7CG	Gillespie, Charles R.		, , , , , , , , , , , , , , , , , , , ,
7CH	Gillespie, Charles R. Hansen, Carl L.	7KP	Pennebaker, Kenneth T.
7CL	Law, Charles J.	7KW	Warrens, C. Kenneth.
7CP	Peterson, C. Edward.	'	warens, c. monicum.
7CW	Peterson, Charles W.	7LA	Larson Walter L.
	'	7LN	Nagla Lac W
7DB	Bolstad, Archie L.	7LR	Larson, Walter L. Nagle, Leo W. Ross, Lindsley W.
7DC	Crockett, George D.	7LS	Smith, Lloyd T.
7DJ	Crockett, George D. John, D. Morris.	7LT	Thompson Lloyd S
7DM	Minkler, Darrell.		Thompson, Lloyd S.
7DS	Shingler, Don G.	7LW	Wollaston, Arthur L.
7DW	Willis, Cecil D.	7340	McClelland Toronh S
		7MC	McClelland, Joseph S.
7EA	Adams, Edison.	7MD	Durkee, Mealon.
7EC	Covey, E. Channing.	7ME	Elliott, Morton W.
$7\mathbf{EE}$	Hawkins, Edward K.	7MH	Middlekauff, Mark H.
$7\mathbf{EF}$	Ford, Edwin D., jr.	7MI	Minter, John W.
7EJ	Jackson, Edgar F.	7MM	Mathison, Martin J.
7EL	La Pine, Earl.		N. 1 . W. C.
7EM	La Pine, Earl. Miller, E. Clarence.	70N	Nicholson, W. Otto.
7EP	Peterson, Edward T.		
	•	7PD	Davis, Percy E.
7FB	Boswell, George. Farris, Frank E.	7PH	Hoffmann, Philip.
7FF	Farris, Frank E.	1	1
7FG	Gruwell, Fred N.	7RB	Wormington, Ralph V.
7FL	Ling, Frank Moy.	7RC	Mood, George T.
7FW	Lee, Emery H. I.	7RD	Montgomery, Jack H.
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Amateur Radio Stations—Seventh District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
7RE	Nitschke, Erville W.	7VC	Coburn, William D.
7RO	Grant, Robert E.	7VS	Small, Vincent.
7RV	Wescott, Roy.	7WC	Cates, Walter C.
7RW	Wright, Raymond F.	7WR	Rogers, Wilber L.
78N	Norman, Stacy W.	7WQ	Stedman, William.
78W	Swan, Emil.	7WS	Sparrow, William T.
7US	Slewing, Vere T.		

EIGHTH DISTRICT.

Headquarters: Customhouse, Cleveland, Ohio. The eighth district comprises the States of New York (all counties not included in second district), Pennsylvania (all counties not included in third district), West Virginia, Ohio, Michigan (Lower Peninsula).]

ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power.
8GM 8CE 8JT 8JU 8RP 8GE 8JW 8AA 8CJ 8KA 8DW 8JL 8RQ 8FV 8CP 8FF 8OM 8HI 8AB 8RX 8NJ	Adams, Ralph F	327 17th St., Toledo, Ohio	Watts. 48 275 211 5000 1600 115 3300 2500 2200 5000 4000 36 3300 4400 125 5000 441 110
8DI 8LJ	Barton, Charles E Baxter, Raymond L	155 Harmon Ave., Detroit, Mich	440 220
8SI 8JB	Beach, Walter RBeare, George L	Mich. 2180 E. 90th St., Cleveland, Ohio Columbus Ave. and Washington Row, Sandusky, Ohio.	550 990
8AC 8NS	Becelaere, Lawrence H Beck, Frank G	400 Dix Ave., Detroit, Mich	250 800
8JP 8RI 8KD 8FZ 8MM 8KT 8AE 8HS	Becker, Freeman A. Beeler, Hughes. Benjamin, Carlisle. Bennett, Edward J. Benzee, Arthur H., jr. Benzee, Joseph M. Berndt, William F. Berry, L. Mack.	Pa. 108 9th St., Buffalo, N. Y. 379 S. D St., Hamilton, Ohio 174 Glasgow St., Clyde, N. Y. 1923 W. 75th St. NW., Cleveland, Ohio 701 Walden Ave., Buffalo, N. Y. 93 Wex Ave., Buffalo, N. Y. 608 Clark Ave., Detroit, Mich. 131 W. Walnut St., Galion, Ohio	20 18 30 26 20 32 250 990

Callsignal.	Owner of station.	Location of station.	Power.
			Watts.
8SC	Bidwell, Paul	8903 Cedar St., Cleveland, Ohio	21
800	Bird, Harold C	92 S. Johnson Ave., Pontiac, Mich	500
8PZ	Bishop, Carryl L	1 North Ave., Binghamton, N. Y	24
8EY	Blockmore Andrew H	2251 Reading Pd Cincinneti Obio	250
	Blackmore, Andrew H Blattner, E. Herman	3351 Reading Rd., Cincinnati, Ohio	
8FU	Dlattner, E. Herman	73 Pardee St., Rochester, N. Y. 157 High St., Buffalo, N. Y.	25
8RH	Blum, Robert A	157 High St., Винаю, N. Y	18
8LP	Bly, Ralph Boekeloo, Ross M	1358 Michigan Ave., Niagara Falls, N. Y.	30
8PA	Boekeloo, Ross M	813 Washington Ave., Kalamazoo, Mich	24
8IA	Bolton, Frederick R	531 E. Grand Blvd., Detroit, Mich 134 Delaware Ave., Detroit, Mich	250
8QJ	Bornman, Frederick D	134 Delaware Ave., Detroit, Mich	440
8OU	Boyer, Harry	89 Kibbie St., Mt. Clemens, Mich	440
8LO	Breckel, Harry F	4318 Virginia Ave., Cincinnati, Ohio	495
8CQ	Brede, Erwin F	55 Melbourne Ave., Detroit, Mich	333
8DG	Bremer, Edmund H	301 W Forget Ave Detroit Mich	1,000
8AF	Promor Coorne C	301 W. Forest Ave., Detroit, Mich	
	Brewer, George S	Color N V	1,000
8OG	Brink, Frank J	Galen, N. Y.	30
8FB	Britney, Dudley R	Winton Rd., Cincinnati, Ohio	36
8AG	Broome, Donald W	100 Grand Ave., Mt. Clemens, Mich 702 N. George St., Rome, N. Y	1,000
8KF	Broughton, Harry J	702 N. George St., Rome, N. Y	250
8QS	Brow, Robert	Rose Hill, N. Y.	500
8AH	Brown, Edward H	2208 Harcourt Drive Cleveland Ohio	550
8NU	Brown, Willard S	2134 E. 77th St., Cleveland, Ohio 1300 Steuben St., Utica, N. Y. 1316 Ontario St., Toledo, Ohio 1017 Ansel Rd., Cleveland, Ohio 822 S. McDonel St., Lima, Ohio	500
8FR	Brownell, Elmer	1300 Steuben St. Utica N Y	18
8DM	Bruns, Carl H	1316 Ontario St. Toledo, Obio	30
8NL	Budwig, Gilbert G	1017 Aprel Rd Claveland Ohio	
8FI	Burger Pichard W	899 S McDonel St. Lime Ohio	1,000
	Burger, Richard W	7200 Clinton Area Classeland Ohio	495
8GA	Burr, Gordon	1209 Chillon Ave., Cleveland, Onio	20
8RD	Burr, Roy C	68 E. Elm St., Norwalk, Ohio	880
8MH	Bushnell, Clarence E	645 W. Ferry St., Buffalo, N. Y	48
8PP	Butcher, W. Byron	Waynesheld, Ohio	990
8OQ	Butzler, HarryCahow, Paul DCamp, John D	196 Robertson St., Mt. Clemens, Mich	770
8MJ	Cahow, Paul D	Reading, Mich.	385
8KG	Camp, John D	1001 La Fayette Ave., Buffalo, N. Y	120
8MV	Carson, William H	1140 James St., Kalamazoo, Mich.	550
8EU	Carson, William J	5558 Black St., Pittsburgh, Pa	30
8ED	Carver, Alfred J	5558 Black St., Pittsburgh, Pa 4 Warring Ave., Buffalo, N. Y	9
8NB	Chafee, C. Lloyd	Davis W Va	48
8IU	Clarke, Andrew W	Davis, W. Va. Glenshaw, Pa. 1010 Central Ave., Dunkirk, N. Y	24
	Clarke, Andrew W	1010 Control Ave Dunlink N V	
8SQ	Clarke, John H	100 Ventral Ave., Dunkirk, N. 1	1,000
8AJ	Clough, Bert E	186 N. Washington Ave., Battle Creek,	1,000
OTT	O1 1 T 16 T	Mich.	
8FJ	Clausing, Leroy M. E	406 Nye St., Lima, Ohio	770
8DV	Cobb, Rupert G	17 E. Alexandrine Ave., Detroit, Mich 47 Yale Pl., Buffalo, N. Y	50
8EE	Coleman, Clarence E	47 Yale Pl., Buffalo, N. Y	770
8SM	Coleman, H. Burr	Savannah, N. Y. 601 W. Anglaize St., Wapakoneta, Ohio 34 Chapman Ave., East Cleveland, Ohio	120
8KO	Combs, Frayne	601 W. Anglaize St., Wapakoneta, Ohio	31
8NC	Coolidge, James H., 3d	34 Chapman Ave East Cleveland Ohio	280
8KB	Core, Eugene D	53 E. High St., Columbus Grove, Ohio	
8MO	Corts Permond F	242 Mary St. Puffele N. V.	1,000
	Corts, Raymond E	243 May St., Buffalo, N. Y.	20
8CR	Coven, Allen W	446 Earl Court, Elyria, Onio	35
81E	Cross, Gorham L	Cape vincent, N. Y	30
8IT	Cross, Gornam L	340 Genesee St., Utica, N. Y	165
8KX	Cross, Gorham L Cuff, Harold C	446 Earl Court, Elyria, Ohio Cape Vincent, N. Y 340 Genesee St., Utica, N. Y 79 Walnut St., Buffalo, N. Y Sheridan, N. Y	16
8RK	Dalrymple, Clarence F	Sheridan, N. Y	24
8NI	Daniels, Worth D	1233 W. State St., Fremont, Ohio 98 Sumner Pl., Buffalo, N. Y.	24
8LR	Daniels, Worth D Davis, Charles W	98 Sumner Pl., Buffalo, N. Y.	30
8AN	Davis, Frank	73 Dakota Ave., Columbus, Ohio	500
8MZ	Davison, John	400 W. High St., Lima, Ohio	1,000
8PI	Day, James M	Waynesfield, Ohio	990
OLI	Day, James M	636 Preble Ave., Pittsburgh, Pa	000

Amateur Radio Stations—Eighth District—Alphabetically by Owners of Stations—Continued.

8HV Denniston, Harry J. 118 Fulton Ave, Rochester, N.Y. 226 8MX De Rose, Ralph. 69 S. Judeon St., Gloversville, N.Y. 25 8KK Devaney, Richard G. 196 Murray St., Binghamton, N.Y. 20 8KV Dobbie, John, jr. 700 Buffalo Ave., Niagara Falls, N.Y. 500 8FK Donehoe, Gray G. 232 Heberton Ave., Pittsburgh, Pa. 100 8GD Dorsch, George. 1338 Walnut St., Cincinnati, Ohio. 550 8EF Dorst, Edward. 39 Eaton St., Buffalo, N.Y. 500 8OW Dotterweich, Joseph H. 200 20 Deterwich, Joseph H. 19 8U Doviterweich, Joseph H. 200 25 5th St., Cleveland, Ohio. 440 8U Dreifus, Fred B. 5621 Hays St., Pittsburgh, Pa. 18 8U Dreifus, Fred B. 5621 Hays St., Pittsburgh, Pa. 226 8H Edwards, C. Beaver 120 Yet, Edward Ave., Niagara Falls, N.Y. 250 8H Edwards, C. Beaver 120 Yet, Edward Ave., Niagara Falls, N.Y. 250 8GF Erick, Norman B. 1529 Davis Ave., Pitts				
8AO Deighan, Edward I. 5415 Herman Ave., Cleveland, Ohio. 40 8HV De Rose, Ralph 69 S. Judson St., Gloversville, N. Y. 250 8KJ Devaney, Richard G. 196 Murray St., Binghamton, N. Y. 250 8KK Devaney, Richard G. 196 Murray St., Binghamton, N. Y. 20 8KV Dobbie, John, jr. 700 Buffalo Ave., Niagara Falls, N. Y. 500 8KD Donnello, John J. 3614 W. 324 St. SW., Cleveland, Ohio. 560 8GD Donnelly, John J. 3614 W. 324 St. SW., Cleveland, Ohio. 560 8AP Dorst, George. 1338 Walnut St., Cincinnati, Ohio. 560 8AP Dorst, George. 1338 Walnut St., Cincinnati, Ohio. 560 8DU Downing, Harry E. 379 Genesee St., Buffalo, N. Y. 50 8DU Downing, Harry E. 2308 E. Sryth St., Cleveland, Ohio. 44 8KL Dreitus, Alexander J. 48 Garner Ave., Buffalo, N. Y. 9 8LKL Dreitus, Alexander J. 48 Garner Ave., Detroit, Mich. 20 8KL Dunlap, Orrin E. jr. 1029 Cleveland Ave., Niagara Falls, N. Y.	Call signal.	Owner of station.	Location of station.	Power.
8HV Denniston, Harry J. 118 Fulton Ave, Rochester, N. Y. 226 8MX De Rose, Ralph. 69 S. Judson St., Gloversville, N. Y. 26 8KK Devaney, Richard G. 196 Murray St., Binghamton, N. Y. 20 8IJ Diederich, Paul E. 915 E. Grand Blvd., Detroit, Mich. 1,000 8FV Donehoo, Gray G. 282 Heberton Ave., Pittsburgh, Pa. 100 8FV Donehoo, Gray G. 282 Heberton Ave., Pittsburgh, Pa. 100 8GD Dorsch, George. 1338 Walnut St., Cincinnati, Ohio. 560 8FF Dorst, Edward. 39 Eaton St., Buffalo, N. Y. 100 8OW Dotterweich, Joseph H. 2308 E. 57th St., Cleveland, Ohio. 440 8OX Dreux, Alexander J. 48 Garner Ave., Buffalo, N. Y. 98 8KL Dorius, Fred B. 5621 Hays St., Pittsburgh, Pa. 22 8KM Eden, Henley S. 112 Ivy St., Edgewood Park, Pa. 22 8H Edward, C. and William F. 300 Warren St., Bucyrus, Ohio. 300 13m C. Berliam C. 102 Green Ave., Detroit, Mich.				
8MX De Rose, Ralph 69 S. Judson St., Gloversville, N. Y. 26 8KK Devaney, Richard G. 196 Murray St., Binghamton, N. Y. 20 8KV Dobbie, John, jr. 700 Buffalo Ave., Niagara Falls, N. Y. 500 8FK Donehoo, Gray G. 823 Heberton Ave., Pittsburgh, Pa. 100 8GD Donnelly, John J. 3614 W. 32d St. SW., Cleveland, Ohio. 550 8AP Dorst, George. 1338 Walnut St., Cincinnati, Ohio. 550 8AP Dorst, Edward. 39 Eaton St., Buffalo, N. Y. 500 8DU Downing, Harry E. 2308 E. 57th St., Cleveland, Ohio. 440 8KL Dreiux, Alexander J. 48 Garner Ave., Buffalo, N. Y. 9 8KL Dreitus, Fred B. 5621 Hays St., Pittsburgh, Pa. 22 8LQ Dunlap, Orrin E., jr. 1029 Cleveland Ave., Niagara Falls, N. Y. 26 8HH Edwards, C. Beaver. 120 Green Ave., Detroit, Mich. 30 8AQ Ein, Edward C. and William F. 1063 23d St., Detroit, Mich. 30 8GG Eucher, Clarence J. 7427 Detroit Ave., Cleveland, Ohio.			5415 Herman Ave., Cleveland, Ohio	40
8KK Des Jardins, Gregory T. 2019 Main St., Cincinnati, Ohio. 9 8IJ Diederich, Paul E. 916 Murray St., Binghamton, N. Y. 20 8IJ Diederich, Paul E. 915 E. Grand Blvd., Detroit, Mich. 1,000 8FK Donehoe, Gray G. 232 Heberton Ave., Pittsburgh, Pa. 100 8GD Donrelly, John J. 3614 W. 324 St. SW., Cleveland, Ohio. 556 8FF Dorst., George. 1338 Walnut St., Cincinnati, Ohio. 556 8FF Dorst., Edward. 39 Eaton St., Buffalo, N. Y. 19 8OW Dotterwich, Joseph H. 2308 E. 57th St., Cleveland, Ohio. 440 8OX Dreifus, Fred B. 5621 Hays St., Pittsburgh, Pa. 22 8KL Dreifus, Fred B. 5621 Hays St., Pittsburgh, Pa. 22 8HM Edwards, C. Beaver 120 Green Ave., Detroit, Mich. 300 Warren St., Bucyrus, Ohio. 1,00 8GT Enrich, William F. 300 Warren St., Bucyrus, Ohio. 1,00 8GG Eucher, Clarence J. 7417 Myron Ave., Cleveland, Ohio. 26 8GE Falck, Norman B. 1529 Davis Av			118 Fulton Ave, Rochester, N. Y	24
8KK Devaney, Richard G. 196 Murray St., Binghamton, N. Y. 1,000 8KV Dobbie, John, jr. 700 Buffalo Ave., Niagara Falls, N. Y. 500 8GD Donnelly, John J. 3614 W. 32d St. SW., Cleveland, Ohio. 550 8AP Dorsch, George. 1338 Walnut St., Cincinnati, Ohio. 550 8EF Dorst, Edward. 39 Eaton St., Buffalo, N. Y. 18 80W Dotterweich, Joseph H. 399 Genesee St., Buffalo, N. Y. 500 8DU Downing, Harry E. 2308 E. 57th St., Cleveland, Ohio. 440 80X Dreux, Alexander J. 48 Garner Ave., Buffalo, N. Y. 50 8KL Dreitus, Fred B. 5621 Hays St., Pittsburgh, Pa. 22 8LQ Dunlap, Orrin E., jr. 1029 Cleveland Ave., Niagara Falls, N. Y. 250 8KM Eden, Henley S. 112 lvy St., Edgewood Park, Pa. 222 8H Edwards, C. Beaver. 120 Green Ave., Detroit, Mich. 30 8FJ Enhich, William F. 300 Warren St., Bucyrus, Ohio. 1,000 8GG Eucher, Clarence J. 7427 Detroit Ave., Pittsburgh, Pa. <				
8KV Dobbie, John, jr. 700 Buffalo Ave., Niagara Falls, N. Y. 500 8FK Donehoo, Gray G. 823 Heberton Ave., Pittsburgh, Pa. 100 8GD Donnelly, John J. 3614 W. 32d St. SW., Cleveland, Ohio. 550 8AP Dorsch, George. 1338 Walnut St., Cincinnati, Ohio. 560 8EF Dorsch, George. 139 Eaton St., Buffalo, N. Y. 18 8UD Downing, Harry E. 2308 E. 57th St., Cleveland, Ohio. 440 8OX Dreux, Alexander J. 48 Garner Ave., Buffalo, N. Y. 9 8KL Dreifus, Fred B. 5621 Hays St., Pittsburgh, Pa. 22 8LQ Dunlap, Orrin E., jr. 1029 Cleveland Ave., Niagara Falls, N. Y. 26 8KM Eden, Henley S. 112 Ivy St., Edgewood Park, Pa. 22 8H Edwards, C. Beaver 120 Green Ave., Detroit, Mich. 30 8QL Ela, Edward C. and William F. 300 Warren St., Bucyrus, Ohio. 1,000 8GF Erney, J. Clarence 7417 Myron Ave., Cleveland, Ohio. 26 8GE Eralck, Norman B. 1529 Davis Ave., Pittsburgh, Pa. <td< td=""><td></td><td></td><td>2019 Main St., Cincinnati, Ohio</td><td>6</td></td<>			2019 Main St., Cincinnati, Ohio	6
8KV Dobbie, John, jr. 700 Buffalo Ave., Niagara Falls, N. Y. 500 8GD Donnelly, John J. 3614 W. 32d St. SW., Cleveland, Ohio. 550 8AP Dorsch, George. 1338 Walnut St., Cincinnati, Ohio. 550 8DV Dotterweich, Joseph H. 39 Eaton St., Buffalo, N. Y. 500 8DU Downing, Harry E. 2308 E. 57th St., Cleveland, Ohio. 440 8XK Dreux, Alexander J. 48 Garner Ave., Buffalo, N. Y. 9 8KL Dreitus, Fred B. 5621 Hays St., Pittsburgh, Pa. 22 8LQ Dunlap, Orrin E., jr. 1029 Cleveland Ave., Niagara Falls, N. Y. 250 8KM Edwards, C. Beaver. 120 Green Ave., Detroit, Mich. 30 8JT Ehrich, William F. 300 Warren St., Bucyrus, Ohio. 1, 000 8GL Eammert, Herman C. 1063 23d St., Detroit, Mich. 260 8GF Erney, J. Clarence J. 7427 Detroit Ave., Cleveland, Ohio. 22 8GF Erney, J. Clarence J. 7427 Detroit Ave., Cleveland, Ohio. 26 8BE Falck, Norman B. 1529 Davis Ave., Pittsburgh, Pa.			196 Murray St., Binghamton, N. 1	
8FK Donehoo, Gray G. 823 Heberton Ave., Pittsburgh, Ps. 100 8AP Donnelly, John J. 3614 W. 32d St. SW., Cleveland, Ohio. 556 8AP Dorst, Edward. 39 Eaton St., Buffalo, N. Y. 18 8U Dotterweich, Joseph H. 379 Geneese St., Buffalo, N. Y. 500 8DU Downing, Harry E. 2308 E. 57th St., Cleveland, Ohio. 440 8KL Dreifus, Fred B. 5621 Hays St., Pittsburgh, Pa. 28 8KL Drunlap, Orrin E., jr. 1029 Cleveland Ave., Niagara Falls, N. Y. 25 8KM Eden, Henley S. 112 Ivy St., Edgewood Park, Pa. 220 8HI Edwards, C. Beaver. 120 Green Ave., Detroit, Mich. 23 8AQ Ela, Edward C. and William F. 300 Warren St., Bucyrus, Ohio. 1,000 8GF Ezney, J. Clarence. 7417 Myron Ave., Cleveland, Ohio. 26 8GG Eucher, Clarence J. 7427 Detroit Ave., Cleveland, Ohio. 26 8BBH Falck, Norman B. 1529 Davis Ave., Pittsburgh, Pa. 400 8HU Faroo, Glenn. 2269 Grand Ave., Rochester. N. Y.				
8GD Donnelly, John J. 3614 W. 32d St. SW., Clevefand, Ohio. 568 8AP Dorsch, George. 1338 Walnut St., Cincinnati, Ohio. 560 8EF Dorsch, George. 139 Eaton St., Buffalo, N. Y. 18 8DU Downing, Harry E. 2308 E. 57th St., Cleveland, Ohio. 440 8OX Dreux, Alexander J. 48 Garner Ave., Buffalo, N. Y. 9 8KL Dreitus, Fred B. 5621 Hays St., Pittsburgh, Pa. 22 8LQ Dunlap, Orrin E., jr. 1029 Cleveland Ave., Niagara Falls, N. Y. 250 8KM Eden, Henley S. 112 Ivy St., Edgewood Park, Pa. 220 8H Edwards, C. Beaver. 120 Green Ave., Detroit, Mich. 30 8AQ Elia, Edward C. and William F. 300 Warren St., Bucyrus, Ohio. 1,000 8GF Ennert, Herman C. 1063 23d St., Detroit, Mich. 266 8GF Ennert, Herman C. 1063 23d St., Detroit, Mich. 266 8GF Encher, Clarence J. 7427 Detroit Ave., Cleveland, Ohio. 250 8SE Falck, Norman B. 1529 Davis Ave., Pittsburgh, Pa. 400 <td></td> <td></td> <td>700 Dunaio Ave., Niagara Falis, N. I</td> <td></td>			700 Dunaio Ave., Niagara Falis, N. I	
8AP Dorsch, George 1338 Walnut St., Cincinnati, Ohio 50 8CEF Dorst, Edward 39 Eaton St., Buffalo, N. Y 18 8DW Dotterweich, Joseph 1379 Genesee St., Buffalo, N. Y 40 8DU Downing, Harry E. 2308 E. 57th St., Cleveland, Ohio 440 8CX Dreius, Fred B. 5621 Hays St., Pittsburgh, Pa. 28 8LQ Dunlap, Orrin E., jr. 1029 Cleveland Ave., Nigara Falls, N. Y. 250 8H Eden, Henley S. 112 Ivy St., Edgewood Park, Pa. 220 8H Edwards, C. Beaver 120 Green Ave., Detroit, Mich. 30 8PJ Ehrich, William F. 300 Warren St., Bucyrus, Ohio. 1,000 8QL Emmert, Herman C. 1063 23d St., Detroit, Mich. 260 8GF Erney, J. Clarence J. 7427 Detroit Ave., Cleveland, Ohio. 256 8SE Falck, Norman B. 1529 Davis Ave., Pittsburgh, Pa. 400 8HU Faroo, Glenn. 269 Grand Ave., Rochester, N. Y. 30 8AS Feightner, Amos E. 715 S. Broadway, Lima, Ohio. 256			3614 W 22d St SW Claveland Obje	
8EF Dorst, Edward. 39 Eaton St., Buffalo, N. Y. 500 8DU Dotterweich, Joseph H. 379 Genesee St., Buffalo, N. Y. 500 8DU Downing, Harry E. 2308 E. 57th St., Cleveland, Ohio. 446 8OX Dreux, Alexander J. 48 Garner Ave., Buffalo, N. Y. 38 8KL Dreius, Fred B. 5621 Hays St., Pittsburgh, Pa. 24 8KL Dunlap, Orrin E., ir. 1029 Cleveland Ave., Niagara Falls, N. Y. 28 8KB Eden, Henley S. 112 Ivy St., Edgewood Park, Pa. 220 8HH Edward C. Beaver. 120 Green Ave., Detroit, Mich. 30 8AQ Ela, Edward C. and William F. 300 Warren St., Bucyrus, Ohio. 1,000 8GF Erney, J. Clarence J. 7427 Detroit Ave., Cleveland, Ohio. 26 8GF Erney, J. Clarence J. 7427 Detroit Ave., Cleveland, Ohio. 26 8GF Erney, J. Clarence J. 7427 Detroit Ave., Cleveland, Ohio. 26 8GF Erney, J. Clarence J. 7427 Detroit Ave., Cleveland, Ohio. 26 8GF Falck, Norman B. 1529 Davis Ave., Pittsburgh, Pa. <td></td> <td>Dorach George</td> <td>1338 Walnut St. Cincinnati Ohio</td> <td></td>		Dorach George	1338 Walnut St. Cincinnati Ohio	
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8MW Follet, Louis, jr. Crafton, Pa. 60 8OT Foster, Frank, jr. 202 Madison St., Wilkes-Barre, Pa. 88 8SF Fowler, Robert J. 324 Walnut St., Flint, Mich. 600 8AT France, William. 829 Western Ave., N. S., Pittsburgh, Pa. 500 8RE Frank, Alfred. 2226 W. Jefferson Ave., Detroit, Mich. 10 8HZ Fritz, Rudolph A. 102 Garner Ave., Buffalo, N. Y. 23 8AU Frost, Harry E. 552 Glenwood Ave., Buffalo, N. Y. 330 8AV Fullwood, William R. 1017 Pollock Ave., New Castle, Pa. 660 8OJ Furlong, Marcie J. 711 N. Main St., Clyde, Ohio. 250 8KP Fuss, Chester G. Little Valley, N. Y. 770 8BV Gale, Roy H. 1806 Brewster Ave., Cincinnati, Ohio. 50 8EG Gebhard, Louis A. 1127 Ellicott St., Buffalo, N. Y. 12 8AX Gentzsch, Leonard H. 102 Northampton St., Buffalo, N. Y. 12 8SN Glatzell, Earle D. 448 S. First St., Ann Arbor, Mich. 16 <td< td=""><td></td><td></td><td></td><td></td></td<>				
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8AT France, William 829 Western Ave., N. S., Pittsburgh, Pa. 500 8RE Frank, Alfred 2226 W. Jefferson Ave., Detroit, Mich. 16 8HZ Fraser, John W. 102 Garner Ave., Buffalo, N. Y. 25 8RZ Fritz, Rudolph A. 1242 Dewey Ave., Cincinnati, Ohio. 250 8AU Frost, Harry E. 552 Glenwood Ave., Buffalo, N. Y. 330 8LT Fryman, Zalman B. 218 Michigan St., Petoskey, Mich. 125 8AV Fullwood, William R. 1017 Pollock Ave., New Castle, Pa. 66 8OJ Furlong, Marcie J. 711 N. Main St., Clyde, Ohio. 256 8KP Fuss, Chester G. Little Valley, N. Y. 770 8BV Gale, Roy H. 1806 Brewster Ave., Cincinnati, Ohio. 50 8FK Gamble, Frederick D. 2412 Putnam St., Toledo, Ohio. 50 8AX Gentzsch, Leonard H. 102 Northampton St., Buffalo, N. Y. 18 8QN Given, Everett J. 908 E. Ann St., Ann Arbor, Mich. 60 8SN Glekler, Truman J. 3015 Marvin Ave., Cleveland, Ohio. 55		Foster, Frank, jr	202 Madison St., Wilkes-Barre, Pa	880
8AT France, William 829 Western Ave., N. S., Pittsburgh, Pa. 500 8RE Frank, Alfred 2226 W. Jefferson Ave., Detroit, Mich. 16 8HZ Fraser, John W. 102 Garner Ave., Buffalo, N. Y. 25 8RZ Fritz, Rudolph A. 1242 Dewey Ave., Cincinnati, Ohio. 250 8AU Frost, Harry E. 552 Glenwood Ave., Buffalo, N. Y. 330 8LT Fryman, Zalman B. 218 Michigan St., Petoskey, Mich. 125 8AV Fullwood, William R. 1017 Pollock Ave., New Castle, Pa. 66 8OJ Furlong, Marcie J. 711 N. Main St., Clyde, Ohio. 256 8KP Fuss, Chester G. Little Valley, N. Y. 770 8BV Gale, Roy H. 1806 Brewster Ave., Cincinnati, Ohio. 50 8FK Gamble, Frederick D. 2412 Putnam St., Toledo, Ohio. 50 8AX Gentzsch, Leonard H. 102 Northampton St., Buffalo, N. Y. 18 8QN Given, Everett J. 908 E. Ann St., Ann Arbor, Mich. 60 8SN Glekler, Truman J. 3015 Marvin Ave., Cleveland, Ohio. 55		Fowler, Robert J	324 Walnut St., Flint, Mich	600
8RE Frank, Alfred. 2226 W. Jefferson Ave., Detroit, Mich. 16 8HZ Fraser, John W. 102 Garner Ave., Buffalo, N. Y. 25 8RZ Fritz, Rudolph A. 1242 Dewey Ave., Cincinnati, Ohio. 256 8AU Frost, Harry E. 552 Glenwood Ave., Buffalo, N. Y. 38 8LT Fryman, Zalman B. 218 Michigan St., Petoskey, Mich. 125 8AV Fullwood, William R. 1017 Pollock Ave., New Castle, Pa. 66 8OJ Furlong, Marcie J. 711 N. Main St., Clyde, Ohio. 256 8KP Fuss, Chester G. Little Valley, N. Y. 770 8BV Gale, Roy H. 1806 Brewster Ave., Cincinnati, Ohio. 50 8PK Gamble, Frederick D. 2412 Putnam St., Toledo, Ohio. 50 8EG Gebhard, Louis A. 1127 Ellicott St., Buffalo, N. Y. 18 8AX Gentzsch, Leonard H. 102 Northampton St., Buffalo, N. Y. 18 8SN Glatzell, Earle D. 448 S. First St., Ann Arbor, Mich. 16 8GH Glekler, Truman J. 3015 Marvin Ave., Cleveland, Ohio. 55	8AT	France, William	829 Western Ave., N. S., Pittsburgh, Pa	500
8HZ Fraser, John W. 102 Garner Ave., Buffalo, N. Y. 25 8RZ Fritz, Rudolph A. 1242 Dewey Ave., Cincinnati, Ohio. 250 8AU Frost, Harry E. 552 Glenwood Ave., Buffalo, N. Y. 33 8AV Fullwood, William R. 1017 Pollock Ave., New Castle, Pa. 660 8OJ Furlong, Marcie J. 711 N. Main St., Clyde, Ohio. 250 8KP Fuss, Chester G. Little Valley, N. Y. 770 8BV Gale, Roy H. 1806 Brewster Ave., Cincinnati, Ohio. 50 8EG Gebhard, Louis A. 1127 Ellicott St., Buffalo, N. Y. 550 8AX Gentzsch, Leonard H. 102 Northampton St., Buffalo, N. Y. 12 8SN Glatzell, Earle D. 448 S. First St., Ann Arbor, Mich. 16 8GH Glekler, Truman J. 3015 Marvin Ave., Cleveland, Ohio. 550 8ET Goettel, Edward V. 1773 Crawford Rd., Cleveland, Ohio. 600		Frank, Alfred	2226 W. Jefferson Ave., Detroit, Mich	16
8AU Frost, Harry E. 552 Glenwood Ave., Buffalo, N. Y. 330 8LT Fryman, Zalman B. 218 Michigan St., Petoskey, Mich. 125 8AV Fullwood, William R. 1017 Pollock Ave., New Castle, Pa. 66 8OJ Furlong, Marcie J. 711 N. Main St., Clyde, Ohio. 256 8KP Fuss, Chester G. Little Valley, N. Y. 770 8BV Gale, Roy H. 1806 Brewster Ave., Cincinnati, Ohio. 50 8FK Gamble, Frederick D. 2412 Putnam St., Toledo, Ohio. 50 8EG Gebhard, Louis A. 1127 Ellicott St., Buffalo, N. Y. 550 8AX Gentzsch, Leonard H. 102 Northampton St., Buffalo, N. Y. 18 8QN Given, Everett J. 908 E. Ann St., Ann Arbor, Mich. 60 8SN Glatzell, Earle D. 448 S. First St., Ann Arbor, Mich. 16 8GH Glekler, Truman J. 3015 Marvin Ave., Cleveland, Ohio. 55 8ET Goettel, Edward V. 1773 Crawford Rd., Cleveland, Ohio. 60		Fraser, John W	102 Garner Ave., Buffalo, N. Y	23
8AV Fullwood, William R. 1017 Pollock Ave., New Castle, Pa. 66 8OJ Furlong, Marcie J. 711 N. Main St., Clyde, Ohio. 256 8KP Fuss, Chester G. Little Valley, N. Y. 776 8BV Gale, Roy H. 1806 Brewster Ave., Cincinnati, Ohio. 50 8PK Gamble, Frederick D. 2412 Putnam St., Toledo, Ohio. 500 8EG Gebhard, Louis A. 1127 Ellicott St., Buffalo, N. Y. 550 8AX Gentzsch, Leonard H. 102 Northampton St., Buffalo, N. Y. 18 8QN Given, Everett J. 908 E. Ann St., Ann Arbor, Mich. 60 8SN Glatzell, Earle D. 448 S. First St., Ann Arbor, Mich. 16 8GH Glekler, Truman J. 3015 Marvin Ave., Cleveland, Ohio. 55 8ET Goettel, Edward V. 1773 Crawford Rd., Cleveland, Ohio. 60			1242 Dewey Ave., Cincinnati, Ohio	250
8AV Fullwood, William R. 1017 Pollock Ave., New Castle, Pa. 66 8OJ Furlong, Marcie J. 711 N. Main St., Clyde, Ohio. 256 8KP Fuss, Chester G. Little Valley, N. Y. 776 8BV Gale, Roy H. 1806 Brewster Ave., Cincinnati, Ohio. 50 8PK Gamble, Frederick D. 2412 Putnam St., Toledo, Ohio. 500 8EG Gebhard, Louis A. 1127 Ellicott St., Buffalo, N. Y. 550 8AX Gentzsch, Leonard H. 102 Northampton St., Buffalo, N. Y. 18 8QN Given, Everett J. 908 E. Ann St., Ann Arbor, Mich. 60 8SN Glatzell, Earle D. 448 S. First St., Ann Arbor, Mich. 16 8GH Glekler, Truman J. 3015 Marvin Ave., Cleveland, Ohio. 55 8ET Goettel, Edward V. 1773 Crawford Rd., Cleveland, Ohio. 60		Frost, Harry E	552 Glenwood Ave., Buffalo, N. Y	330
8OJ Furlong, Marcie J. 711 N. Main St., Clyde, Ohio. 250 8KP Fuss, Chester G. Little Valley, N. Y. 770 8BV Gale, Roy H. 1806 Brewster Ave., Cincinnati, Ohio. 50 8PK Gamble, Frederick D. 2412 Putnam St., Toledo, Ohio. 50 8EG Gebhard, Louis A. 1127 Ellicott St., Buffalo, N. Y. 16 8AX Gentzsch, Leonard H. 102 Northampton St., Buffalo, N. Y. 18 8QN Given, Everett J. 908 E. Ann St., Ann Arbor, Mich. 60 8SN Glatzell, Earle D. 448 S. First St., Ann Arbor, Mich. 16 8GH Glekler, Truman J. 3015 Marvin Ave., Cleveland, Ohio. 55 8ET Goettel, Edward V. 1773 Crawford Rd., Cleveland, Ohio. 600			218 Michigan St., Petoskey, Mich	
8KP Fuss, Chester G Little Valley, N. Y 777 8BV Gale, Roy H 1806 Brewster Ave., Cincinnati, Ohio 50 8PK Gamble, Frederick D 2412 Putnam St., Toledo, Ohio 50 8EG Gebhard, Louis A 1127 Ellicott St., Buffalo, N. Y 560 8AX Gentzsch, Leonard H 102 Northampton St., Buffalo, N. Y 18 8QN Given, Everett J 908 E. Ann St., Ann Arbor, Mich 60 8SN Glatzell, Earle D 448 S. First St., Ann Arbor, Mich 16 8GH Glekler, Truman J 3015 Marvin Ave., Cleveland, Ohio 55 8ET Goettel, Edward V 1773 Crawford Rd., Cleveland, Ohio 600		Fullwood, William R		
8PK Gamble, Frederick D. 2412 Putnam St., Toledo, Ohio		Fund Charter C	Titale Veller N. V.	
8PK Gamble, Frederick D. 2412 Putnam St., Toledo, Ohio	U	Golo Roy H	1806 Browster Ave. Cincinneti Ohio	
8EG Gebhard, Louis A		Gamble Frederick D	2412 Putnam St. Tolodo Ohio	
8AX Gentzsch, Leonard H. 102 Northampton St., Buffalo, N. Y. 18 8QN Given, Everett J. 908 E. Ann St., Ann Arbor, Mich. 60 8SN Glatzell, Earle D. 448 S. First St., Ann Arbor, Mich. 16 8GH Glekler, Truman J. 3015 Marvin Ave., Cleveland, Ohio. 55 8ET Goettel, Edward V. 1773 Crawford Rd., Cleveland, Ohio. 600		Gebbard Louis A	1127 Ellicott St. Buffalo N V	
8QN Given, Everett J			102 Northampton St., Buffalo, N. Y.	
8SN Glatzell, Earle D			908 E. Ann St., Ann Arbor, Mich.	60
8GH Glekler, Truman J 3015 Marvin Ave., Cleveland, Ohio 550 8ET Goettel, Edward V 1773 Crawford Rd., Cleveland, Ohio 600		Glatzell Earle D	448 S. First St., Ann Arbor, Mich.	16
SET Goettel, Edward V 1773 Crawford Rd., Cleveland, Ohio 600		Glekler, Truman J		550
8RY Goetz, Carl P 1518 Knowlton St., Cincinnati, Ohio 500	8ET	Goettel, Edward V	1773 Crawford Rd., Cleveland, Ohio	600
	8RY	Goetz, Carl P	1518 Knowlton St., Cincinnati, Ohio	500

Call signal.	Owner of station.	Location of station.	Power.
Say 5			Watts.
8AW	Gogel, Adelbert J	628 S. Erie St., Toledo, Ohio	440
8OF	Goodwin, Seth A	6032 St. Marie St., Pittsburgh, Pa	1,000
8EI	Gray, Clarence N	32 Duerstein Ave., Buffalo, N. Y	330
8GJ	Green, Harold L	1650 82d St., Cleveland, Ohio	440
8ND	Grigg, Arthur	741 Clinton St., Cincinnati, Ohio	495
8AY	Grosse, Frederick W		500
8QR		1326 Walnut St., Cincinanti, Ohio	
8EH	Grostick, George E	1605 Wagar Ave., Lakewood, Ohio	15
	Grove, Nelson B	242 Ashland Ave., Buffalo, N. Y	60
8JA	Gunn, Ross	369 W. Lorain St., Oberlin, Ohio	500
8RO	Gwinner, Frederick, 3d.	5th and Amberson Sts., Pittsburgh, Pa	36
8QB	Haderer, John,	330 Fox St., Buffalo, N. Y.	18
8NN	Hahn, Ralph H	423 Fox St., Buffalo, N. Y	250
8MD	Hall, Eldred R	1613 Milton Ave., Solvay, N. Y.	495
8GT	Hamel, Arthur	29 Martin St., Amherst, Ohio	550
8NW	Hankin, John H	30 Schutz Ave., Buffalo, N. Y.	6
8AZ	Hansen, Edmund H	31 Deer St., Plymouth, Mich	750
8NO	Hansen, Torvald	7325 Clinton Ave., Cleveland, Ohio	220
8NV	Harrison, P. William, jr.	125 Medbury Blvd., Detroit, Mich	6
8PS	Hart, John R	Duncannon, Pa	550
8QC	Hauck, Roland E	850 Walden Ave., Buffalo, N. Y	20
8FH	Haynes, William	102 N. Florence St., Springfield, Ohio	880
8JD	Heiser, Ernest J	819 Dayton St., Hamilton, Ohio	990
8NP	Henderson, Earl G	457 Orchard Ave., Bellevue, Pa	500
8PB	Henika, Charles F	441 State St., Petoskey, Mich	550
8EX	Henlein, Carl A	1855 Hewitt Ave., Cincinnati, Ohio	24
8GN	Henninger, Alan E	2038 W. 100th St., Cleveland, Ohio	440
8BW	Hermann, Harold N	2237 Frances Lane, Cincinnati, Ohio	35
8FG	Hewitt, Charles P	R. F. D. No. 1, Oak Harbor, Ohio	36
8LU	Hewitt, James F	405 Portland Ave., Rochester, N. Y	24
8PM	Higgey, Robert C	1072 W. Market St., Lima, Ohio	250
8PL	Higgins, Robert R	11408 Bell Flower Rd., Cleveland, Ohio	225
8IC	Hill, Charles C., jr	1134 Mellon St., Pittsburgh, Pa	1,000
8GB	Hill Top Y. M. C. A	Pittsburgh, Pa	270
8BA	Hiller, Herbert A	117 Hanover St., Silver Creek, N. Y	240
8KR	Hills, Virgil A	2066 E. 100th St., Cleveland, Ohio	220
8BD	Hoch, Ellery T	R. F. D. No. 33, Barberton, Ohio	48
8GP	Hoffman, Edward H	1617 Buhrer Ave., Cleveland, Ohio	20
8QV	Hogan, James E	26 Lincoln Ave., Crafton, Pa	60
8FC	Holden, Ira S	2920 Vernon Pl., Cincinnati, Ohio	900
8MC	Holmes, Charles A	New Berlin, N. Y	1,000
8DR	Holmes, Charles E	310 W. Brown St., Grand Rapids, Mich	495
8HO	Holt, George W	789 Prospect Ave., Buffalo, N. Y	49
8BC	Holt, Nelson E	185 Congress St., Buffalo, N. Y	715
8GQ	Horn, Herbert E	557 E. 117th St., Cleveland, Ohio	500
8PT	Hornung, Romey W	Lavelle, Pa	450
8NF	House, Elra E	11 Taft St., Battle Creek, Mich	880
8BB	Howes, Stanley L	515 Eleanor St., Kalamazoo, Mich	330
8CS	Howland, Dean W	1081 Cass Ave., Detroit, Mich	330
8BX		3458 Hallwood Pl., Cincinnati, Ohio	
	Hubbell, Aaron W	7621 15th St. Niccore Follo N. V.	600
8RR	Hull, Earl C	763 15th St., Niagara Falls, N. Y	550
8CF	Hull, Guy McC	123 S. Whitfield St., Pittsburgh, Pa	50
8CG	Hull, Ralph S	5819 Rural St., Pittsburgh, Pa	550
8NH	Hyatt, Bunyan, J	202 Rogers St., Mt. Vernon, Ohio	1,000
8PU	Imbt, Russell	324 Braeside Ave., East Stroudsburg, Pa.	660
8ON	Ilgenfritz, Lester M	2 E. Forest Ave., Detroit, Mich	30
8RJ	Irvine, Robert P	3380 Fulton Rd., Cleveland, Ohio	330
8JK	Jackson, Cotesworth M	St. Clair Rd., Pottsville, Pa	300
8BF	Jarvis, Roy B	647 Main St., Wheeling, W. Va	1,000
8FL	Jenkins, William E	2108 Potomac St., Banksville, Pa	30

Amateur Radio Stations—Eighth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
8HC	Johnston, S. Paul	201 S. Crajg St., Pittsburgh, Pa	275
8QK	Jones, Edwin P	1114 Middle Ave., Elyria, Ohio	30
8QM	Jones, Jesse K	200 W. Market St., Pottsville, Pa	24
8KU	Jones, Miller	Grafton, Ohio	500
8QQ	Kampfe, Lorbert J	1241 E. 103d St., Cleveland, Ohio	1,000
8BG	Kastenberg, Paul G	298 Hurlbut Ave., Detroit, Mich	30
8 NM	Kastenberg, Paul G Keen, William L	608 Broadway, Cincinnati, Ohio	24
8PC	Kersting, Ferdinand	165 S. Gratiot Ave., Mt. Clemons, Mich	440
8CC	Kesel, George	2704 Wylie Ave., Pittsburgh, Pa	440
8QE	Kester, Harold P	626 University Ave., Rochester, N. Y	36
8BH	Kingsbury, Kenneth	24 Chestnut St., Binghamton, N. Y	495
8 Q O	Kirly, H. Howard	863 E. 73d St., Cleveland, Ohio	250
8RA	Klager, Oscar C	611 S. Main St., Ann Arbor, Mich	16
8GV	Kleber, Jackson O	1135 Murray Hill Ave., Pittsburgh, Pa	275
8QF	Klinck, Charles C., jr	38 W. Parade Ave., Buffalo, N. Y	250
8RB	Knapp, Harold	224 Elm St., Edgewood Park, Pa	550
8DN	Knappen, Bert	4 Trankla Ave., Grand Rapids, Mich	25
8GS 8 KW	Kneale, C. Kewley Kohler, Harry W	1337 W. 114th St., Cleveland, Ohio 605 E. Middle St., Wapakoneta, Ohio	100 36
8EJ	Kolb, Edwin H	18 Camp St., Buffalo, N. Y.	660
8GL	Konrad, Henry	750 Ross Ave., Hamilton, Ohio	550
8BJ	Kraus, Norman M	4121 Henritze Ave., Cleveland, Ohio	990
8PD	Krause, Karl A.	244 S. Front St., Mt. Clemens, Mich	225
8JV	Kreighbaum, Cyril H	12414 Ingomar Ave., Cleveland, Ohio	600
8BI	Kroeger, Gustav H	1837 Clarion Ave., Cincinnati, Ohio	990
8EK	Kumpf, Elmer H	Crittenden, N. Y	675
80C ⁵	Kuehnle, George J	156 Woolper Ave., Cincinnati, Ohio	120
8KY	Kuehnle, George J Kunnar, William	R. F. D. No. 4, Ashtabula, Ohio	48
8KZ	Landgraff, William J	3718 Parvise St., Pittsburgh, Pa.	250
8EL	Langenbach, Leo	186 Riley St., Buffalo, N. Y. 5520 Baywood St., Pittsburgh, Pa.	24
8B K	Lappe, E. Robert	5520 Baywood St., Pittsburgh, Pa	275
8RL	Last, George	107 E. Buckeye St., Clyde, Ohio	550
8EQ	Leighton, Clifford R	128 Eagle St., Utica, N. Y	1,000
8QG	Lewis, Walter E	128 Denver St., Rochester, N. Y.	500
8BL	Leyh, Edward L	10 Overhill St., Pittsburgh, Pa	60
8MT	Liller, William P.	Keyser, W. Va	18
	Lima High School. See		
8LV	Davison, John.	625 Field Ave., Detroit, Mich	275
8BE	Lindow, Daniel A Lippert, John P	41 Stanwood Rd., East Cleveland, Ohio	275 275
8JO	Little, Donald G	415 Woodward Ave., Kalamazoo, Mich	540
8MR	Livinggood, Hubert W.	1825 Michigan Ave., Detroit, Mich	880
8GU	Loehr, George R	11444 Euclid Ave., Cleveland, Ohio	500
8CZ	London, Henry J	267 Palmer St., Grand Rapids, Mich	90
8JG	Lord, Donald M	531 Beach Ave., Cambridge Springs, Pa	30
8BN	Loveloy, Julian Lovell, Charles L Lucas, Clarence E	3325 Perkins Ave., Cincinnati, Ohio	40
8ML	Lovell, Charles L	540 Prospect Pl., Cincinnati, Ohio	550
8PE	Lucas, Clarence E	119 24th St., Detroit, Mich	16
8HM	Lucas, Howard E	5005 Dearborn St., Pittsburgh, Pa	990
8OD	Luedeke, William P., jr. Lusink, C. Irving	40 Hodge Ave., Buffalo, N. Y	18
8JQ	Lusink, C. Irving	642 North St., Rochester, N. Y	18
8BO	Lyons, Henry E	Kipiey, N. Y	60
8JX	MacCandless, Lyon H	351 Jefferson St., Rochester, Pa	440
8BP	Macer, Arthur J	37 Jefferson St., Westfield, N. Y	1,000
8EA	Mack, Clifford J	49 McGovern Ave., Ashtabula, Ohio	770
880	Maggs, H. Carrol	Girard, Ohio	312
8PF	Malbin, Samuel	14 S. Gratiot Ave., Mt. Clemens, Mich	117
8JZ	Manning, Alfred J	6914 Woodland Ave., Cleveland, Ohio	36
8MI 8KC	Manning, Howard H	298 Prospect St., Meadville, Pa	330
070	manning, agiry 1	12 Parson St., Ashtabula, Ohio	385

Callsignal.	Owner of station.	Location of station.	Power.
			Watts.
8OV	Marcum, Richard	Britain Ave., Benton Harbor, Mich	1,000
8PX	Marsh, Harry H., jr	Park View, W. Va	24
8HY	Marshall, Floyd W	Avery Ter., Detroit, Mich.	1,000
8RV	Marshall, Frank J Martin, Cecil E	517 W. Delaware Ave., Toledo, Ohio	500
8QY	Martin, Cecil E	Depew, N. Y	24
8EV	Mason, Carl D	R. F. D. No. 3, Oak Grove, Mich	25
8LA	Mason, George S	119 Temple St., Fredonia, N. Y.	1,000
8MB	Maxon, Harry L	267 Brinkman St., Buffalo, N. Y	16
8NT	Maue, Leon G	Y. M. C. A. Bldg., Hazleton, Pa	330
8HL	McCamon, Aurel	B. F. D. No. 4 Lishon Ohio	36
8EZ	McConaughy Mary Alice	R. F. D. No. 4, Lisbon, Ohio	48
8QI	McConaughy, Mary Alice McEniry, Clifford U	875 Michigan St., Buffalo, N. Y	18
8OY	McElhinny I Schubert	103 Sumner Pl., Buffalo, N. Y.	24
8IK	McElhinny, J. Schubert Mellon, J. H.		
	Menges, William E	Patton, Pa. 6428 Aurelia St., Pittsburgh, Pa.	45
8BQ		Verner Ohio	275
8IS	Middleton, Charles	Vernon, Ohio.	94
8IB	Mielke, Carl E Miller, Arthur P	3619 Grenada St., Pittsburgh, Pa 14 Beuland Ave., Mt. Clemens, Mich	1,000
8IR	Miller, Arthur P	14 Deuland Ave., Mt. Clemens, Mich	200
8IN	Miller, Kenneth	1086 Shady Ave., Pittsburgh, Pa	500
8BR	Miner, Simeon J Moffet, Floyd E	2253 E. Jefferson Ave., Detroit, Mich	50
8GW	Moffet, Floyd E	5408 Euclid Ave., Cleveland, Ohio	500
8BS	Mogridge, Clarence J	463 16th St., Detroit, Mich	1,000
8DS	Moynahan, Roy D	355 E. Warren Ave., Detroit, Mich	240
8EB	Munsell, Robert S	191 Center St., Ashtabula, Ohio	260
8EM	Murphy, John V	191 Center St., Ashtabula, Ohio	24
8HD	Myers, Homer B	1600 Euclid Ave., Cleveland, Ohio	20
8CT	Myers, Raymond W	166 E. Perry St., Tiffin, Ohio	275
8IG	Neumann, Allen J	1600 Euclid Ave., Cleveland, Ohio 166 E. Perry St., Tiffin, Ohio 1033 Ellicott St., Buffalo, N. Y	20
8MP	Neupert, Robert E	500 Chartiers Ave., McKees Rocks, Pa	550
8IX	Newman, Arthur J	1415 Newman Ave., Cleveland, Ohio	500
8IM	Nichols, D. A	Wapakoneta, Ohio	720
8ID	Norris, George H	77 Melbourne Ave., Detroit, Mich	960
8BT	Ogle, Harry B Olson, Milton E Orrell, Robert W	2636 East Blvd., Cleveland, Ohio	440
8FM	Olson, Milton E	6357 Luther St., Pittsburgh, Pa	250
8DF	Orrell, Robert W	87 Frederick Ave., Detroit, Mich	500
8SJ	Ottney, James N	R. F. D. No. 4, Gilsonburg, Ohio	22
8DY	Pancoast, Donald F	107 Prospect St., Ashtabula, Ohio 35 E. State St., Gloversville, N. Y	1,000
80I	Patterson, Grant, jr	35 E. State St., Gloversville, N. Y	250
8CH	Paul, James T	628 N. Euclid Ave., Pittsburgh., Pa	60
8CY	Payne Arthur E	Birmingham Mich	990
8NZ	Payne, William H	12½ Clarke St., Binghamton, N. Y.	20
8PV	Pearson, Harry	4 W. North Ave., Pittsburgh, Pa	36
8GX	Pentland, Henry B	2053 E. 105th St., Cleveland, Ohio	495
8SG	Pesek, Miro R	3288 Fulton Rd. SW., Cleveland, Ohio	56
8LW	Philepp, Lawrence A	Concord, Mich.	660
8DJ	Phillips, Glenn E	551 McKinstry Ave., Detroit, Mich	100
8CX	Phinneny Forrest I	R. F. D. No. 4, Battle Creek, Mich	1,000
8JF	Phippeny, Forrest I Plekenpol, Ernest	7804 W. Madison Ave. NW., Cleveland,	30
001	Hekenpol, Emest.	Ohio.	30
8DX	Porter, Harry T	714 Main St., Conneaut, Ohio	900
8QW	Potts, Charles G	726 W. Norwegian St., Pottsville, Pa	52
8HQ	Potts, Charles G Poux, Noel J	432 Pine St., Meadville, Pa	440
8QP	Powell, Ralph C	5236 Westminster Pl., Pittsburgh, Pa	42
8GZ	Proback John	2489 E. 59th St., Cleveland, Ohio	30
8LB	Probeck, John Purves, Stuart S		20
8LC	Remge Edwin H	3461 Brookline Ave., Cincinnati, Ohio	30
8DA	Ramge, Edwin H	R. F. D. No. 7, Wapakoneta, Ohio	
8DC	Rathbun, Hugh T	112 Colfax St., Grand Rapids, Mich	1 000
8LX	Reb, Frank	1635 Gratiot Ave., Detroit, Mich	1,000
8FQ	Reitt, Arthur A	1100 Washington Ave., Monaca, Pa	40

Amateur Radio Stations—Eighth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
00T	D I Ch I T	or a. a. P. I Y Y	Watts.
80P	Reynolds, Charles L	25 Sturges St., Binghamton, N. Y	24
8LD	Rice, Homer D	150 Livingston St., Buffalo, N. Y. 228 N. Limestone St., Springfied, Ohio.	12
8SP	Rich, Harland E	228 N. Limestone St., Springfied, Ohio	770
8IQ	Richard, Roy H	68 Lincoln Ave., Meadville, Pa	30
8CI	Richards, Theodore D. and George B.	934 W. North Ave., Pittsburgh, Pa	380
8PN	Ritchie, Burrus L	2216 E. 100th St., Cleveland, Ohio	330
8RF	Ritchie, Carl L	3051 Minton St., Pittsburgh, Pa	24
8MS	Ritchev. Ole B	Reading, Mich	440
8NQ	Robbins, Melvin G	219 Reynolds St., Kingston, Pa	1,000
8HB	Roberts, Hayden P	11215 Clitton Blvd., Cleveland, Ohio	220
8MF	Robin, Milo H	7 Lake Ave., Williamson, N. Y	24
8HA	Roblee, Judson	59 Idlewood Ave., Cleveland, Ohio	220
8IO	Roe, Howard L	723 Homewood Ave Pittshurch Pa	250
8DQ	Roener, Hubert J	115 Floyd St., Toledo, Ohio 2065 McKinley Ave., Lakewood, Ohio R. F. D. No. 2, Ruth, Mich 77 Johnson St., Buffalo, N. Y.	30
8DT	Rogers, Grant	2065 McKinley Ave., Lakewood, Ohio	880
8HT	Romzick, Lawrence	R. F. D. No. 2, Ruth, Mich	28
8LY	Rose, Herman	77 Johnson St., Buffalo N Y	18
8EW	Rubel, Henry M., jr	920 Burton Ave Cincinnati Ohio	1,000
8CD	Sachs, Gus.	920 Burton Ave., Cincinnati, Ohio 1522 Center Ave., Pittsburgh, Pa	275
8LF	Saunders, Ezra L	141 4th Ave., Gallipolis, Ohio	750
8PO	Schaaf, John M	300 Warren St., Bucyrus, Ohio	1,000
8HG	Schardt, Earl M	12813 Marston Ave., Cleveland, Ohio	24
80K	Schoib Togorb	6243 Station St., Pittsburgh, Pa.	20
8SD	Scheib, Joseph		500
8RW	Schindler, Louis J	2103 Robinwood Ave., Toledo, Ohio	
	Schmidle, Claude	553 E. North St., Buffalo, N. Y	18
8SB	Schmidt, Norman F	1001 Wildle Asse Floris Obis	250
8JC	Schoenhen, Edwin B	1201 Middle Ave., Elyria, Ohio	120
8HH 8HR	Schoren, William E	2954 W. 25th St., Cleveland, Ohio	480
	Schouman, Hazen	210 Riverside Ave., St. Clair, Mich	30
8MA	Schulz, Edward G	329 Arndt St., Detroit, Mich.	330
8QU	Schunck, Robert F	407 W. Anglaize St., Wapakoneta, Ohio	••••
8FY 8LL	Schwalb, Walter J	715 Main St., Wheeling, W. Va	880
	Schwanecamp, Raymond	207 Lemon St., Dunaio, N. I	30
8BY	Schwindt, Herman J	3517 Bevis Ave., Cincinnati, Ohio	60
8IV	Scott, Gail	Degraff, Ohio	100
8LE	Scott, Hoyt S	North Fairneid, Unio	36
8EP	Scovill, Edward H	10528 Park Lane, Cleveland, Ohio	750
8HN	Selinske, Louis	510 15th St., Detroit, Mich	30
8HF 8LZ	Shaney, Aubrey A	5/13 Curuss Ave., Cleveland, Unio	440
	Sharbaugh, Wilbur	2109 Eoff St., Wheeling, W. Va.	550
8PQ	Shaw, Eurcile L	205½ E. Anglaize St., Wapakoneta, Ohio.	19
8EN	Shepard, Charles A	186 Grant St., Buffalo, N. Y.	12
8CN	Sheppard, Hamilton W Sherman, Fred	6420 Darlington Rd., Pittsburgh, Pa	250
8PG	Sherman, Fred	Britain Ave., Benton Harbor, Mich	1,000
8JR	Sherrill, Alvan C	326 S. Highland Ave., Pittsburgh, Pa	750
8BZ	Shumard, Asbury	5609 Tompkins Ave., Cincinnati, Ohio 111 E. Benton St., Wapakoneta, Ohio 1268 W. 115th St., Cleveland, Ohio	660
8LG	Sibert, Richard E	111 E. Benton St., Wapakoneta, Ohio	30
8KS	Sidnell, Robert G	1268 W. 115th St., Cleveland, Ohio	30
8DL	Sisson, William A	1 1024 Erie St., Tolego, Unio	30
8QT	Sly, Edward E	1820 Myrtle St., Erie, Pa	144
8PH	Slyfield, Charles O	Frankfort, Mich	24
8CL	Smith, G. C	335 Atwood St., Pittsburgh, Pa	250
8RM	Smith, Harold M Smith, Lewis A	335 Atwood St., Pittsburgh, Pa Highland Ave., Monticello, N. Y 55 Brandon Ave., Detroit, Mich	24
8CV	Smith, Lewis A	55 Brandon Ave., Detroit, Mich	35
80 K	Smith, Roland C	5814 Hays St., Pittsburgh, Pa	302
80E	Smith, Verne E	Knox, Pa	12
8FO	Snyder, Norman G	7 Central Ave., Ithaca, N. Y	36
8FT	Spargo, James A., jr	403 N. George St., Rome, N. Y	1,000
8LN	Spaulding, Ray F	Ripley, N. Y	20

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
8HK	Spiller, Archibald G	603 Missouri Ave., East Cleveland, Ohio	550
8SH	Snotte Ralph T	2179 E. 87th St., Cleveland, Ohio	700
8RU	Staaf, Werner	2179 E. 87th St., Cleveland, Ohio 5638 Weldin St., Pittsburgh, Pa	60
8LH	Stauft, Jacob L	347 Oakland Ave., Pittsburgh, Pa	250
SII	Steim, L. Harold	R. F. D. No. 2, Kittanning, Pa	270
8NK	Steinhoff, Charles F	224 E. Lorain St., Oberlin, Ohio	36
8IZ	Steinman, Dwight H		825
		416 Pine St., Lima, Ohio	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
8NR	Stenger, John H	66 Gildersleeve St., Wilkes-Barre, Pa	1,000
8SL	Stenzel, Arthur W	125 Geary St., Buffalo, N. Y	550
8OL	Stern, Fred W	835 Glenwood Ave., Cincinnati, Ohio	165
8HE	Stevenson, George L	Durand, Mich	1,000
8EO	Stickney, Richard W Stiveson, Andrew	94 Normal Ave., Buffalo, N. Y. 4 North Ave., Pittsburgh, Pa.	25
8PR	Stiveson, Andrew	4 North Ave., Pittsburgh, Pa	24
8NY	Straub, John O	1724 Wightman St., Pittsburgh, Pa	250
8CA	Stueve, Everett S	3540 Wabash Ave., Cincinnati, Ohio	330
8IY	Stueve, Everett S Swain, Herbert N	3540 Wabash Ave., Cincinnati, Ohio 405 Franklin St., Hamilton, Ohio	990
8OH	Swisher, Oka V	221 Spring St., Fairmont, W. Va	80
8HJ	Terry, James E., jr	1877 E. 90th St. NE., Cleveland, Ohio	330
8CB	Terry, James E., jr Thiessen, H. F. W	161 E. McMicken Ave., Cincinnati, Ohio	500
8DE	Thomas, William K	400 Minton St., Pittsburgh, Pa	250
8CM	Thorn Thomas H		225
8FN	Thorn, Thomas H Toland, Gerald H	1217 Chislett St., Pittsburgh, Pa. R. F. D. No. 3, Geneseo, N. Y.	100
8IP	Trotter, Robert J	214 Amanda Ave., Mt. Oliver, Pa	30
8JE	Twitchell, Herbert D	4th and Wood Sts., Hamilton, Ohio	990
		36 Walnut St., Binghamton, N. Y	20
8KN	Tyne, Gerald F	2040 T. 100th St. Claredand Obia	
8RT	Ubersax, Delmar G	2248 E. 100th St., Cleveland, Onio	18
8IF	Urban, Raymond G	Fine Ridge Rd., Bunalo, N. Y	660
8ES	Van Hoesen, Claude L.	2248 E. 100th St., Cleveland, Ohio. Pine Ridge Rd., Buffalo, N. Y. 206 Frank St., Rochester, N. Y. 206 W. 9th St., Holland, Mich	60
8LI	Vanselow, Waldemar	206 W. 9th St., Holland, Mich	24
8GI	Wahl, Edward C	60 Stewart Ave., Buffalo, N. Y	24
8OB	Waldrip, Laurence H	233 Delavan St., Buffalo, N. Y	36
8FD	Walker, Carl	1626 Potter Pl., Cincinnati, Ohio	27
8OS	Walker, Harlan N	49 Rhode Island Ave., Detroit, Mich	440
8QH	Washington, Booker	724 Delaware Ave., Buffalo, N. Y	48
8ME	Washington, George F	37 Erie St., Washington, Pa	24
8NA	Waterman, Fred W	116 Broad St., Elvria, Ohio	936
8MU	Watson, Martin L	116 Broad St., Elyria, Ohio. 116 Alice St., Keyser, W. Va	18
8DD	Watts, Felix J	1118 Pearl St., Port Huron, Mich	900
8PW	Weaver, Frank M	2706 Toledo St., Pittsburgh, Pa	1,000
8RC	Weil, Norman C	231 Riley St., Buffalo, N. Y.	300
8NX	Weiser, Elmer P	284 Brinkman St., Buffalo, N. Y.	30
8HW			32
8OR	Wellington, Vernon D	511 Gibbs Ave., Wapakoneta, Ohio	550
8JS	Weny, Joseph C West Tech Wireless Club	58 Katherine Court, Allegan, Mich W. 93d St. and Willard Ave., Cleveland,	1,000
ona	WILL OF THE	Ohio.	
8FS	Wheat, G. F. Roy	605 Floyd Ave., Rome, N. Y.	54
8HX	White, Chester A	18 Kamper Ave., Buffalo, N. Y	220
8FW	Whitehead, D. R	3349 Webster Ave., Pittsburgh, Pa	24
8DK	Whitmoyer, Ralph E	190 Frederick Ave., Detroit, Mich	24
8LK	Wieneke, Edward	128 Peterboro St., Detroit, Mich	20
8HP	Wilder, John H	194 Temple St., Fredonia, N. Y.	20
8IL	Williams, Burton P	194 Temple St., Fredonia, N. Y. 2321 Perrysville Ave. NS., Pittsburgh, Pa.	500
8KE	Williams, Edward R	2106 E. 83d St., Cleveland, Ohio	60
8DZ	Williams, Homer	28 Auburn St. Ashtabula Obio	12
8NG	Williams, Joseph H	28 Auburn St., Ashtabula, Ohio	36
8PY	Williams Pow I	400 Parcella Ave. Decharter N. V.	24
	Williams, Roy J	499 Parsells Ave., Rochester, N. Y	
8IW	Wilson, Mark E	323 12th St., Elyria, Ohio	500
SNE	Winglemire, Maurice	Daginaw St., Hony, Mich	1,000
8KH	Winston, Norman E	276 Federal St., Rochester, N. Y	Т

54773°-14-10

Call signal.	Owner of station.	Location of station.	Power.
8SA 8LM 8SK 8OA 8DO 8QX	Wood, Dewey H	402 E. Dutton St., Kalamazoo, Mich	250 550 18
8GB	Young Men's Christian Association.	Zara and Virginia Sts., Pittsburgh, Pa	270
8GK 8RG	Young, Montgomery K Zittel, Harold E	19 Darien St., Rochester, N. Y	16

ALPHABETICALLY BY CALL SIGNALS.

Callsignal.	Owner of station.	Call signal.	Owner of station.
8AA	Anderson, Sidney E.	8BX	Hubbell, Aaron W.
8AB	Barr, Forrest L.	8BY	Schwindt, Herman J.
8AC	Becelaere, Lawrence H.	8BZ	Shumard, Asbury.
8AE	Berndt, William F.	022	William G, 1100 Gry.
8AF	Brewer, George S.	8CA	Stueve, Everett S.
8AG	Broome, Donald W.	8CB	Thiessen, H. F. W.
8AH	Brown, Edward H.	8CC	Kesel, George.
8AJ	Clough, Bert E.	8CD	Sachs, Gus.
8AN	Davis, Frank.	8CE	Adler, Jerome.
8AO	Deighan, Edward I.	8CF	Hull, Guy McC.
8AP	Dorsch, George.	8CG	Hull, Ralph S.
8AQ	Ela, Edward C. and Willard C.	8CH	Paul, James T.
8AS	Feightner, Amos E.	8CI	Richards, Theodore D. and
8AT		801	Goorge B
8AU	France, William.	8CJ	George B.
	Frost, Harry E.		Andrews, William S.
8AV	Fullwood, William R.	8CK	Smith, Roland C.
8AW	Gogel, Adelbert J.	8CL	Smith, G. C.
8AX	Gentzsch, Leonard H.	8CM	Thorn, Thomas H.
8AY	Grosse, Frederick W.	8CN	Sheppard, Hamilton W.
8AZ	Hansen, Edmund H.	8CP	Baker, Norman E.
		8CQ	Brede, Erwin F.
8BA	Hiller, Herbert A.	8CR	Coven, Allen W.
8BB	Howes, Stanley L.	8CS	Howland, Dean W.
8BC	Holt, Nelson E.	8CT	Myers, Raymond W.
8BD	Hoch, Ellery T.	8CV	Smith, Lewis A.
8BE	Lippert, John P.	8CX	Phippeny, Forrest I.
8BF	Jarvis, Roy B.	8CY	Payne, Arthur F.
8BG	Kastenberg, Paul G.	8CZ	London, Henry J.
8BH	Kingsbury, Kenneth.		•
8BI	Kroeger, Gustav H.	8DA	Rathbun, Hugh T.
8BJ	Kraus, Norman M.	8DB	Fellows, Bernard D.
8BK	Lappe, E. Robert.	8DC	Reb, Frank.
8BL	Leyh, Edward L.	8DD	Watts, Felix J.
8BN	Lovejoy, Julian.	8DE	Thomas, William K.
8BO	Lyons, Henry E.	8DF	Orrell, Robert W.
8BP	Macer, Arthur J.	8DG	Bremer, Edmund H.
8BQ	Menges, William E.	8DI	Barton, Charles E.
8BR	Miner, Simeon J.	8DJ	Phillips, Glenn E.
8BS	Mogridge, Clarence J.	8DK	Whitmoyer, Ralph E.
8BT	Ogle, Harry B.	8DL	Sisson, William A.
8BV	Gale, Roy H.	8DM	Bruns, Carl H.
8BW	Hermann, Harold N.	8DN	Knappen, Bert.

AMATEUR RADIO STATIONS—EIGHTH DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
8DO	Wright, Claude B.	8GA	Burr, Gordon.
8DQ	Roemer, Hubert J.	8GB	Hill Top Y. M. C. A.
8DŘ	Holmes, Charles E.	8GD	Donnelly, John J.
8DS	Moynahan, Roy D.	8GE	Anderson, John M., jr.
8DT	Rogers, Grant.	8GF	Erney, J. Clarence.
8DŪ	Downing, Harry E.	8GG	Eucher, Clarence J.
8DV	Cobb, Rupert G.	8GH	Glekler, Truman J.
8DW	Apger, Charles O.	8GI	Wahl, Edward C.
8DX	Porter, Harry T.	8GJ	Green, Harold L.
8DY	Pancoast, Donald F.	8GK	Young, Montgomery K.
$8D\bar{Z}$	Williams, Homer.	8GL	Konrad, Henry.
VD2	Williams, Liomor.	8GM	Adams, Ralph F.
8EA	Mack, Clifford J.	8GN	Henninger, Alan E.
8EB	Munsell, Robert S.	8GP	Hoffman, Edward H.
8ED	Carver, Alfred J.	8GQ	Horn, Herbert E.
8EE	Coleman, Clarence E.	8GŘ	Joecken, George I.
8EF	Dorst, Edward.	8GS	Kneale, C. Kewley.
8EG	Gebhard, Louis A.	8GT	Hamel, Arthur.
8EH	Grove, Nelson B.	8GU	Loehr, George R.
8EI	Gray, Clarence N.	8GV	Kleber, Jackson O.
8EJ	Kolb, Edwin H.	8GW	Moffet, Floyd E.
8EK	Kumpf, Elmer H.	8GX	Pentland, Henry B.
8EL	Langenbach, Leo.	8GZ	Probeck, John.
8EM		6GZ	110beck, John.
8EN	Murphy, John V. Shepard, Charles A.	8HA	Roblee, Judson.
8EO	Stickney, Richard W.	8HB	Roberts, Hayden P.
8EP	Scovill, Edward H.	8HC	
8EQ		8HD	Johnston, S. Paul. Myers, Homer B.
8ES	Leighton, Clifford R. Van Hoesen, Claude L.	8HE	
8ET		8HF	Stevenson, George L.
8EU	Goettel, Edward V. Carson, William J.	8HG	Shaney, Aubrey A. Schardt, Earl M.
8EV	Mason, Carl D.	8HH	Schoren, William E.
8EW	Rubel, Henry M., jr.	8HI	Barbar Nelson I
8EX	Henlein, Carl A.	8HJ	Barber, Nelson J. Terry, James E., jr.
8EY	Blackmore, Andrew H.	8HK.	Spiller, Archibald G.
8EZ	McConaughy, Mary Alice.	8HL	McCamon, Aurel.
01121	meconaugny, mary mice.	8HM	Lucas, Howard E.
8FA	Fender, Clinton H.	8HN	Selinske, Louis.
8FB	Britney, Dudley R.	8HO	Holt, George W.
8FC	Holden, Ira S.	8HP	Wilder, John H.
8FD	Walker, Carl.	8HQ	Poux, Noel J.
8FE	Finch, Brent S.	8HR	Schouman, Hazen.
8FF	Baker, Raymond S.	8HS	Berry, L. Mack.
8FG	Hewitt, Charles P.	8HT	Romzick, Lawrence.
8FH	Haynes, William.	8HU	Faroo, Glenn.
8FI	Burger, Richard W.	8HV	Denniston, Harry J.
8FJ	Clausing, Leroy M. E.	8HW	Wellington, Vernon D.
8FK	Donehoo, Gray G.	8HX	White, Chester A.
8FL	Donehoo, Gray G. Jenkins, William E.	8HY	Marshall, Floyd W.
8FM	Olson, Milton E.	8HZ	Fraser, John W.
8FN	Toland, Gerald H.		
8FO	Snyder, Norman G.	8IA	Bolton, Frederick R.
8FQ	Remorino, L., jr.	8IB	Mielke, Carl E.
8FR	Brownell, Elmer.	8IC	Hill, Charles C., jr.
8F8	Wheat, G. F. Roy.	8ID	Norris, George H.
8FT	Spargo, James A., jr.	8IE	Cross, Gorham L.
8FÜ	Blattner, E. Herman.	SIF	Urban, Raymond G.
8FV	Backus, Harry F.	8IG	Neumann, Allen J.
8FW	Whitehead, D. R.	8II	Steim, L. Harold.
8FY	Schwalb, Walter J.	8ÎĴ	Diederich, Paul E.
8FZ	Bennett, Edward J.	8IK	Mellon, J. H.
			. ,

Amateur Radio Stations—Eighth District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
8IL	Williams, Burton P.	8KW	Kohler, Harry W.
8IM	Nichols, D. A.	8KX	Cuff, Harold C.
8IN	Miller, Kenneth.	8KY	Kunnar, William.
8ĨO	Roe, Howard L.	8KZ	Landgraff, William J.
8ĪP	Trotter, Robert J.	V	
8ÎQ	Richard, Roy H.	8LA	Mason, George S.
8IŘ	Miller, Arthur P.	8LB	Purves, Stuart S.
8IS	Middleton, Charles.	8LC	Ramge, Edwin H.
8ĨT	Cross, Gorham L.	8LD	Rice, Homer D.
8ĨŪ	Clarke, Andrew W.	8LE	Scott, Hoyt S.
8IV	Scott, Gail.	8LF	Saunders, Ezra L.
8IW	Wilson, Mark E.	8LG	Sibert, Richard E.
8IX	Newman, Arthur J.	8LH	Stauft, Jacob L.
8IY	Swain, Herbert N	8LI	Vanselow, Waldemar
8IZ	Steinman, Dwight H.	8LJ	Baxter, Raymond L.
	,	8LK	Wieneke, Edward.
8JA	Gunn, Ross.	8LL	Schwanecamp, Raymond.
8JB	Beare, George L.	8LM	Wood, John P.
SJC	Schoenhen, Edwin B.	8LN	Spaulding, Ray F.
8JD	Heiser, Ernest J.	8LO	Breckel, Harry F.
8JE	Twitchell, Herbert D.	8LP	Bly, Ralph.
8JF	Pleckenpol, Ernest.	8LQ	
8JG	Lord, Donald M.	8LŘ	Dunlap, Orrin E., jr. Davis, Charles W.
8JH	Edwards, C. Beaver.	8LS	Ferris, Warren O.
8JK	Jackson, Cotesworth M.	8LT	Fryman, Zalman B.
8JL	Appleton, Francis W.	8LU	Hewitt, James F.
8JO	Little, Donald G.	8LV	Lindow, Daniel A.
8JP	Becker, Freeman A.	8LW	Philepp, Lawrence A.
8JQ	Lusink, C. Irving	8LX	Reitt, Arthur A.
8JŘ	Sherrill, Alvan Č.	8LY	Rose, Herman
8JS	West Tech Wireless Club.	8LZ	Sharbaugh, Wilbur.
8JT	Albrecht, Harvey O.	ii i	•
8JU	Aldridge, George P.	8MA	Schulz, Edward G.
8JV	Kreighbaum, Cyril H.	8MB	Maxon, Harry L.
8JW	Anderson, Joseph D.	8MC	Holmes, Charles A.
8JX	MacCandless, Lyon H.	8MD	Hall, Eldred R.
8JZ	Manning, Alfred J.	8ME	Washington, George F.
		8MF	Robbin, Milo H.
8KA	Ankerman, Roy E.	8MG	Fish, J. Mulford.
8KB	Core, Eugene D.	8MH	Bushnell, Clarence E.
8KC	Manning, Jerry J.	8MI ,	Manning, Howard H.
8KD	Benjamin, Carlisle.	8MJ	Cahow, Paul D. Finch, William G. H.
8KE	Williams, Edward R.	8MK	Finch, William G. H.
8KF	Broughton, Harry J.	8ML	Lovell, Charles L.
8KG	Camp, John D.	8MM	Benzee, Arthur H., jr.
8KH	Winston, Norman E.	8MO	Corts, Raymond E.
8KI	Flint High School.	8MP	Neupert, Robert E.
8KJ	Des Jardins, Gregory T.	8MQ	Dear, Harry D.
8KK	Devaney, Richard G. Dreifus, Fred B.	8MR	Livinggood, Hubert W.
8KL		8MS 8MT	Ritchie, Ole B.
8KM	Eden, Henley S.	ONETT	Liller, William P.
8KN	Tyne, Gerald F.	8MU 8MV	Watson, Martin L. Carson, William H.
8KO	Combs, Frayne.	8MV	Follot Louis in
8KP	Fuss, Chester G.	8MW 8MX	Follet, Louis, jr. De Rose, Ralph.
8KQ	Fisher, Earl U. Hills, Virgil A.		Fisher, Harold W.
8KR	Sidnall Robert C	8MY 8MZ	
8KS	Sidnell, Robert G.	OMIZ	Davison, John.
8KT	Benzee, Joseph M.	8NA	Waterman, Fred W.
8KU	Jones, Miller. Dobbie, John, jr.	8NB	Chaffee, C. Lloyd.

AMATEUR RADIO STATIONS—EIGHTH DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Callsignal.	Owner of station.	Call signal.	Owner of station.
8NC	Coolidge, James H., 3d.	8PI	Day, James M.
8ND	Grigg, Arthur.	8PJ	Ehrick, William F.
8NE	Winglemire, Maurice.	8PK	Gamble, Frederick D.
8NF	House, Elra E	8PL	Gamble, Frederick D. Higgins, Robert R.
8NG	Williams, Joseph H.	8PM	Higgy, Robert C.
8NH	Hyatt, Bunyan J.	8PN	Ritchie, Burrus L.
8NI	Daniels, Worth D.	8PO	Schaaf, John M.
8NJ	Bartholomew, William F.	8PP	Butcher, W. Byron.
8NK	Steinhoff, Charles F.	8PQ	Shaw, Eurcile L.
8NL	Budwig, Gilbert G.	8PŘ	Stiveson, Andrew.
8NM	Budwig, Gilbert G. Keen, William L.	8PS	Hart, John R.
8NN	Hahn, Ralph H.	8PT	Hornung, Romey W.
8NO	Hansen, Torvald.	8PU	Imbt, Russell.
8NP	Henderson, Earl G.	8PV	Pearson, Harry.
8NQ	Robbins, Melvin G.	8PW	Pearson, Harry. Weaver, Frank M.
8NR	Stenger, John H.	8PX	Marsh, Harry H., jr.
8NS	Beck, Frank G.	8PY	Williams, Roy J.
8NT	Maue, Leon G.	8PZ	Bishop, Ćarryl L.
8NU	Brown, Willard S.		
8NV	Harrison, P. William, jr. Hankin, John H. Weiser, Elmer P.	8QA	Ferguson, James G.
8NW	Hankin, John H.	8QB	Haderer, John.
8NX	Weiser, Elmer P.	8QC	Haderer, John. Hauck, Roland E.
8NY	Straub, John O.	8QE	Kester, Harold P.
8NZ	Payne, William H.	8QF	Klinck, Charles C., jr.
	,,	8QG	Klinck, Charles C., jr. Lewis, Walter E.
8OA	Worbass, Raymond K.	8QH	Washington, Booker.
8OB	Waldrip, Laurence H.	8QI	McEniry, Clifford U.
8OC	Kuehnle, George J.	8QJ	Bornman, Frederick D.
8OD	Luedeke, William P., ir.	8QK	Jones, Edwin P.
80E	Smith, Verne E.	\parallel 8QL	Emmert, Herman C.
80F	Goodwin, Seth A.	∥ 8QM	Jones, Jesse K.
8OG	Brink, Frank J.	8QN	Given, Everett J.
8OH	Swisher, Oka V.	∥ 8QO	Kirly, H. Howard.
8OI	Patterson, Grant, jr.	8QP	Powell, Ralph C.
8OJ	Patterson, Grant, jr. Furlong, Marcie J.	\parallel 8QQ	Kampfe, Norbert J.
80K	Scheib, Joseph. Stern, Fred W.	8QR	Grostick, George E.
80L	Stern, Fred W.	8QS	Brow, Robert.
8OM	Balsley, James I.	$\parallel 8QT$	Sly, Edward E.
8ON	Ilgenfritz, Lester M.	8QU	Schunck, Robert F.
800	Bird, Harold C.	8QV	Hogan, James E.
80P	Reynolds, Charles L.	8QW	Potts, Charles G.
80Q	Butzler, Harry.	8QX	Young, Charles A.
8OR	Weny, Joseph C.	8QY	Martin, Cecil E.
80 <u>S</u>	Walker, Harlan N. Foster, Frank, jr.	8QZ	Fletcher, Vernon.
8OT	Foster, Frank, Jr.	0.70.4	771 0 0
8OU	Boyer, Harry.	8RA	Klager, Oscar C.
8OV	Marcum, Richard.	8RB	Knapp, Harold. Weil, Norman C. Burr, Roy C.
80W	Dotterweich, Joseph H.	8RC	Well, Norman C.
80X	Dreux, Alexander J.	8RD	Burr, Noy C.
80Y	McElhinny, J. Schubert.	8RE	Frank, Alfred.
8OZ	Fleming, James J.	8RF 8RG	Ritchie, Carl L.
oD A	Postrolog Post M		Zittel, Howell E.
8PA	Boekeloo, Ross M.	8RH	Blum, Robert A.
8PB	Henika, Charles F.	8RI 8RJ	Beeler, Hughes. Irvine, Robert P.
8PC	Kersting, Ferdinand. Krause, Karl A.	8RK	
8PD	Luces Clarence F	8RL	Dalrymple, Clarence F.
8PE 8PF	Lucas, Clarence E.	8RM	Last, George. Smith, Harold M.
8PG	Malbin, Samuel. Sherman, Fred.	8RO	Gwinner, Frederick, 3d.
8PH	Slyfield, Charles O.	8RP	Amos, Clyde O.
91 II	i biyneid, Charles C.	II OILI	i iimos, Oiyuo O.

AMATEUR RADIO STATIONS—EIGHTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
8RQ 8RR 8RT 8RV 8RV 8RX 8RX 8RX 8RZ 8SA 8SB 8SC 8SD	Ashtabula High School. Hull, Earl C. Ubersax, Delmar G. Staaf, Werner. Marshall, Frank J. Schmidle, Claude. Barringer, Russ. Goetz, Carl P. Fritz, Rudolph A. Wood, Dewey H. Schmidt, Norman F. Bidwell, Paul. Schindler, Louis J.	8SE 8SF 8SG 8SH 8SJ 8SK 8SK 8SM 8SM 8SP 8SP 8SQ	Falck, Norman B. Fowler, Robert J. Pesek, Miro R. Spotts, Ralph T. Beach, Walter R. Ottney, James N. Woodcock, William D. Stenzel, Arthur W. Coleman, H. Burr. Glatzel, Earle D. Maggs, H. Carrol. Rich, Harland E. Clarke, John H.

NINTH DISTRICT.

[Headquarters: Customhouse, Chicago, Ill. The ninth district comprises the States of Indiana, Illinois, Wisconsin, Michigan (Upper Peninsula), Minnesota, Kentucky, Missouri, Kansas, Colorado, Iowa, Nebraska, South Dakota, and North Dakota.]

ALPHABETICALLY BY OWNERS OF STATIONS.

Callsignal.	Owner of station.	Location of station.	Power.
			Watts.
9FN	Abraham, Walter H	1204½ W. 5th St., Davenport, Iowa	16
9EX	Adolfson, George S	5229 Colorado St., Duluth, Minn	770
9BF	Afanasiew, Nick	1265 S. Bannock St., Denver, Colo	30
9FC	Anders, Harry R	4811 West End Ave., Chicago, Ill	495
9CF	Anderson, Adolf G	502 St. Lawrence Ave., Beloit, Wis	500
9GW	Arnold, Ercil	Chapman, Kans	250
9CO	Bantz, Russell	414 22d Ave., Milwaukee, Wis	50
9DA	Berger, Frank G	1425 Edgemont Ave., Chicago, Ill	225
9HE	Bergvall, Royal C. and Wesley E.	Stephenson, Wis	20
9AS	Billiter, Earle D	2610 S. Dupont Ave., Minneapolis, Minn	1,000
9DJ	Biltonen, William A	Houghton, Mich	50
9GB	Boess, Murray R	Lake Bluff, Ill	24
9BU	Brown, Clarence L	1022 E. Tabor St., Indianapolis, Ind	500
9AD	Bryant, Stanley C	2439 Mozart St., Chicago, Ill	150
9CR	Buehner, Howard	381 19th Ave., Milwaukee, Wis	Country.
9GY	Bullock, Asa C	Hobart, Ind	1,000
9ED	Burgess, Charles M	Geneva, Ill	
9GX	Capper, Earl W	Letts Corner, Ind	24
9BJ	Chapin, Edwin C	79 Washington St., Denver, Colo	500
9FI	Chaudet, William J	4176-A Delmar Blvd., St. Louis, Mo	500
9DP	Clark, Bayard H	205 Augusta Ave., De Kalb, Ill	1,000
9GU	Clayton, Homer E	680 Arch St., Indianaoplis, Ind	770
9BK	Clemons, G. H	Storm Lake, Iowa	50
9CN	Cobb, Merle	Elkhorn, Wis	50
9GV	Coles, James A	1500 Park Ave., Minneapolis, Minn	63
9BG	Connell, John F	205 E. Jackson St., Attica, Ind	50
9ET	Conzelman, J. Wilson	5207 Ridge Ave., St. Louis, Mo	770
9DI	Cottrell, W. Roscoe	Prairie City, Iowa	50
9EQ	Cruikshank, Charles A., jr.	1000 Bird St., Hannibal, Mo	660
9GN	Curtis, Charles D	High School Bldg., Pembina, N. Dak	100
9AI	Cutting, Irving E	3611 Galena St., Milwaukee, Wis	700
9FH	Dahm, Henry L	5932 Plymouth Ave., St. Louis, Mo	950

9DF 9EG Dean, Carl W. 3115 N. Capitol Ave., Indians 9GP Denny, L. Erle. Sorento, Ill. 500 Glen Ave., Chicago, 9EN Fisher, Ralph. 9BN Flynn, John H., jr. 228 E. 5th St., Newport, Ky. 9AM Foster, Edwin J. 925 Winchester St., Milwauke, 9AX Fowler, Harry A. 3 E. Armour Blvd., Kansas C 1722 Maple St., Racine, Wis. 9BP Gatzek, Richard. 337 S. 5th St., Richmond, Inc. 9AB Grehard, George J. 1710 Dorcas St., Omaha, Neb. 9BC Graham, Walter N., jr. 4842 Maffitt Ave., St. Louis, M. 9AB Groskopf, William L. 4816 W. Berteau Ave., Chicago, Ill. 9GF Hansen, Leland H. 1123 Herrick Ave., Racine, Wis. 9BC Hansen, Leland H. 1123 Herrick Ave., Racine, Wis. 9BC Hansen, Leland H. 1123 Herrick Ave., Racine, Wis. 9BC Hansen, Leland H. 1123 Herrick Ave., Racine, Wis. 9BC Hauck, George. 218 Chestnut St., Harvard, Ill 11 Brainard St., Harvard, Ill 12 Herrick Ave., Racine, Wis. 9FR Held, William J. 700 E. 5th, Belleville, Ill. 700 Washington St., Milwaukee, Wishines, Gene. 1209 W. 25th St., Milmeapolis, St., Honger, Mark Ave., Milmeapolis, St., Belleville, Ill. 700 Washington St., Milwaukee, Wishines, Gene. 1209 W. 25th St., Minneapolis, St., Honger, Milwaukee, Wishines, Gene. 1400 State St., Chicago, Ill. 1401 3d St., Davenport, Iowa 1400 State St., Chicago, Ill. 1400 State St., Chicago, Ill. 1400 State	Powe
9EZ Davis, Richard M. 1065 Yuma St., Denver, Colo. 3115 N. Capitol Ave., Indiana Sorento, Ill. 2634 Cottage Grove Ave., Chicago, Sorento, Ill. 2634 Cottage Grove Ave., Chicago, Sen Fisher, Ralph. 2729 W. Noble Ave., Chicago, Sen Fisher, Ralph. 918 S. 7th St., Fargo, N. Dak Plynn, John H., jr. 228 E. 5th St., Newport, Ky. 925 Winchester St., Milwauke Pax Fowler, Harry A. 3 E. Armour Blvd., Kansas Cerhard, George J. 1710 Dorcas St., Omaha, Neb Grabam, Walter N., jr. 4842 Maffitt Ave., St. Louis, Martin F. 2729 W. Noble St., Racine, Wis. 33 W. 12th St., Des Moines, 317 S. 5th St., Richmond, Inc. 317 S. 5th St., Richmond, Inc. 318 St., Woodstock, Ill. 4842 Maffitt Ave., St. Louis, Mortan Martin F. 318 St., Woodstock, Ill. 4816 W. Berteau Ave., Chicago, Ill. 4816 W. Berteau Ave., Racine, W. 477 31st Ave., Milwaukee, W. 479	Watts
9EZ Davis, Richard M. 1065 Yuma St., Denver, Colo. 3115 N. Capitol Ave., Indiana Sorento, Ill. 2634 Cottage Grove Ave., Chicago, Sorento, Ill. 2634 Cottage Grove Ave., Chicago, Sen Fisher, Ralph. 2729 W. Noble Ave., Chicago, Sen Fisher, Ralph. 918 S. 7th St., Fargo, N. Dak Plynn, John H., jr. 228 E. 5th St., Newport, Ky. 925 Winchester St., Milwauke Pax Fowler, Harry A. 3 E. Armour Blvd., Kansas Cerhard, George J. 1710 Dorcas St., Omaha, Neb Grabam, Walter N., jr. 4842 Maffitt Ave., St. Louis, Martin F. 2729 W. Noble St., Racine, Wis. 33 W. 12th St., Des Moines, 317 S. 5th St., Richmond, Inc. 317 S. 5th St., Richmond, Inc. 318 St., Woodstock, Ill. 4842 Maffitt Ave., St. Louis, Mortan Martin F. 318 St., Woodstock, Ill. 4816 W. Berteau Ave., Chicago, Ill. 4816 W. Berteau Ave., Racine, W. 477 31st Ave., Milwaukee, W. 479	
9EG Dean, Carl W. Sorento, III. Sorento, III	
9GP 9FE Dunklan, George. 9BT Duquette, Herbert E. 9CW Egloff, Martin F. 9EN Fisher, Ralph 9BN Flynn, John H., jr. 9AM Foster, Edwin J. 9EK French, Newell E. 9BO Fry, Claud 9BO Fry, Claud 9BO Gatzek, Richard 9BO Gatzek, Richard 9BO Graham, Walter N., jr. 9BF Graves, G. G. 9GT Grecian, Everett 9AB Groskopf, William L. 9AB Groskopf, William L. 9AB Groskopf, William L. 9AB Groskopf, William L. 9AC Gundlach, Waldo L. 9BO Hagen, Edwin 9BO Grecian, Everett 9BO Hanson, Frederick R. A. 9BC Hanson, Frederick R. A. 9BC Hantzsch, Ralph E. 9BC Hanty, Charles 9BC Hald, William J. 9CD Held, William J. 9CD Hilpenberg, Noble C. 9CA Haynes, Roy 9CA Bldg., Burlington, 1400 State St., Chicago, Ill. 9CA Bldg., School Ave., Coundowa.	
9FE Dunklan, George	2
9BT Duquetté, Herbert E 500 Glen Áve., Council Bluffs 2729 W. Noble Ave., Chicago, 918 S. 7th St., Fargo, N. Dak 928 Fisher, Ralph 918 S. 7th St., Fargo, N. Dak 928 E. 5th St., Newport, Ky. 925 Winchester St., Milwauke 328 E. 5th St., Newport, Ky. 925 Winchester St., Milwauke 328 E. 5th St., Newport, Ky. 925 Winchester St., Milwauke 328 E. 5th St., Newport, Ky. 925 Winchester St., Milwauke 328 E. 5th St., Newport, Ky. 925 Winchester St., Milwauke 328 E. 5th St., Newport, Ky. 925 Winchester St., Milwauke 328 E. 5th St., Newport, Ky. 925 Winchester St., Milwauke 328 E. 5th St., Newport, Ky. 925 Winchester St., Milwauke 328 E. 5th St., Newport, Ky. 925 Winchester St., Milwauke 328 E. 5th St., Newport, Ky. 926 Winchester St., Milwauke 328 E. 5th St., Newport, Ky. 928 Winchester St., Milwauke 328 E. 5th St., Newport, Ky. 925 Winchester St., Milwauke 328 E. 5th St., Newport, Ky. 925 Winchester St., Milwauke 328 E. 5th St., Newport, Ky. 925 Winchester St., Milwauke 327 E. 4th St., Leaf 328 W. 12th St., Des Moines, 317 S. 5th St., Richmond, Inches 327 Prath Ave., St. Louis, Model 328 E. Armour Blvd., Kansas C 1722 Maple St., Racine, Wis. 348 E. Armour Blvd., Kansas C 1722 Maple St., Racine, Wis. 327 Prath Ave., St. Louis, Model 328 E. Armour Blvd., Kansas C 1722 Maple St., Racine, Wis. 348 E. Armour Blvd., Kansas C 1722 Maple St., Racine, Wis. 327 Prath Ave., St. Louis, Model 328 E. Armour Blvd., Kansas C 1722 Maple St., Racine, Wis. 327 Prath Ave., St. Louis, Model 328 E. Armour Blvd., Kansas C 1722 Maple St., Racine, Wis. 328 E. Armour Blvd., Kansas C 1722 Maple St., Racine, Wis. 328 E. Armour Blvd., Kansas	
9CW Egloff, Martin F	
9EN Fisher, Ralph	Ill 40
Flynn, John H., jr. 9AM Foster, Edwin J. 9AK Fowler, Harry A. 9EK French, Newell E. French, Newell E. 9BO Fry, Claud. 9BC Gatzek, Richard. 9BC Gerhard, George J. Goodell, Myron L. 9BC Graham, Walter N., jr. 9BC Graham, Walter N., jr. 9BC Graves, G. G. 9BC Groskopf, William L. 9BC Gondell, Waldo L. 9BC Groskopf, William L. 9BC Groskopf, William L. 9BC Hamel, Walter H. 9BC Hamel, Walter H. 9BC Hanson, Frederick R. A. 9BC Harry, Charles. 9BC Harry, Charles. 9BC Harry, Charles. 9BC Held, William J. 9BC Held, William J. 9BC Held, William J. 9BC Hilgenberg, Noble C. 9BR Hollister, Harold A. 9BC Hood, Norman R.	
9AM Foster, Edwin J	1, 00
9AX Fowler, Harry A. 3 E. Armour Blvd., Kansas C. 1722 Maple St., Racine, Wis. Pry, Claud. 833 W. 12th St., Des Moines, 317 S. 5th St., Richmond, Inc. Gerhard, George J. 1710 Dorcas St., Omaha, Nebr. Graham, Walter N., jr. 4842 Maffitt Ave., St. Louis, M. Woodstock, Ill. 9GT Grecian, Everett. Hill City, Kans. 9AB Groskopf, William L. 4816 W. Berteau Ave., Chicago, Ill. 9GG Hagen, Edwin. 2330 Banks Ave., Superior, W. Hamel, Walter H. 1006 S. 14th St., Lafayette, In 1123 Herrick Ave., Racine, W. 9AV Hamel, Walter H. 1123 Herrick Ave., Racine, W. 9GI Hansen, Leland H. 1123 Herrick Ave., Milwaukee, W. 1161 Island Ave., Milwaukee, W. 1	e, Wis 75
9EK Bry, Claud	ity, Mo 1, 00
9BO Gatzek, Richard	
Gerhard, George J. Gerhard, George J. Goodell, Myron L. Graves, G. G. Graves, G. G. Groskopf, William L. Goodell, Waldo L. Groskopf, William L. Groskopf, William L. Groskopf, William L. Groskopf, William L. Gundlach, Waldo L. Goodell, Myron L. 4842 Maffitt Ave., St. Louis, M. Woodstock, Ill. Woodstock, Ill. 1837 Pratt Ave., Chicago, Ill. 1837 Pratt Ave., Chicago, Ill. 1106 S. 14th St., Lafayette, In 1106 S. 14th St., Lafayette, In 11123 Herrick Ave., Racine, W. 477 31st Ave., Milwaukee, Wi 1161 Island Ave., Milwaukee, Wi 1	Lowe
9AZ Gerhard, George J. Goodell, Myron L. Graham, Walter N., jr. Graves, G. G. Woodstock, Ill. Woodstock, Ill. Groskopf, William L. Groskopf, William L. Hall City, Kans. Say Pratt Ave., Chicago, Ill. Hagen, Edwin. 2330 Banks Ave., Superior, W. Hamel, Walter H. Hamilton, Leo L. 111 Brainard St., Harvard, Ill. 112 Herrick Ave., Racine, W. Hanson, Frederick R. A. Hantzsch, Ralph E. Harry, Charles. Quincy and Douglas Sts., Hougher Held, William J. Groskopf, William J. Gro	Iowa
9DL Goodell, Myron L	
9ES Graham, Walter N., jr. 4842 Maffitt Ave., St. Louis, Modstock, Ill. Grecian, Everett. Hill City, Kans. 9AE Gundlach, Waldo L. 1837 Pratt Ave., Chicago, Ill. 9GG Hagen, Edwin. 2330 Banks Ave., Superior, Walter H. 1006 S. 14th St., Lafayette, In 111 Brainard St., Harvard, Ill. 9CE Hansen, Leland H. 1123 Herrick Ave., Racine, Walter H. 1111 Brainard St., Harvard, Ill. 9GE Hanson, Frederick R. A. 161 Island Ave., Milwaukee, William J. 161 Island Ave., Milwaukee, William J. 162 Chicago, Ill. 9FR Heckenkamp, Emile B. 1639 May St., Chicago, Ill. 9CP Held, William J. 770 Washington St., Milwaukee, William J. 770 Wa	25
9FT Grecian, Everett. Hill City, Kans 9AB Groskopf, William L. 4816 W. Berteau Ave., Chicag 9AE Gundlach, Waldo L. 1837 Pratt Ave., Chicago, Ill. 9GG Hagen, Edwin. 2330 Banks Ave., Superior, W. 9AV Hamel, Walter H. 1006 S. 14th St., Lafayette, In 9CE Hansen, Leland H. 1112 Brainard St., Harvard, Ill 9GL Hanson, Frederick R. A. 477 31st Ave., Milwaukee, Wi 9BX Hantzsch, Ralph E. 1161 Island Ave., Milwaukee, Wi 9GL Hauck, George. 218 Chestnut St., Newport, K. 9CX Haynes, Roy. 6939 May St., Chicago, Ill. 9FR Heckenkamp, Emile B. 9CP Held, William J. 770 Washington St., Milwaukee, Wi 9CU Hieronymus, Thomas G. 9DG Hilgenberg, Noble C. 827 N. Capitol Ave., Indianap 9AR Hollister, Harold A. 370 18th Ave., Milwaukee, W. 9FQ Hood, Norman R. 4100 State St., Chicago, Ill. 9FR Hollister, Harold A. 370 18th Ave., Milwaukee, W. 9FQ Hood, Norman R. 4100 State St., Chicago, Ill. 110 State St., Chicago, Ill. 111 Srainard St., Harvard, Ill. 1123 Herrick Ave., Racine, W. 477 31st Ave., Milwaukee, W. 1161 Island Ave., Milwaukee, W. 1162 Ve. Machical Machi	ans 25
9GT Grecian, Everett. Groskopf, William L 4816 W. Berteau Ave., Chicag JIL 2330 Banks Ave., Superior, W Hamel, Walter H 1006 S. 14th St., Lafayette, II 111 Brainard St., Harvard, III	
9AB Groskopf, William L. Gundlach, Waldo L. 1837 Pratt Ave., Chicago, Ill. 1906 S. 14th St., Lafayette, In 111 Brainard St., Harvard, Ill 1123 Herrick Ave., Racine, W. 477 31st Ave., Milwaukee, W. 477 31st Ave., Milwaukee, W. 161 Island Ave., Milwaukee, W. 161 Island Ave., Milwaukee, W. 162 Hauck, George 218 Chestnut St., Newport, K. 6939 May St., Chicago, Ill. 1907 Heckenkamp, Emile B. 300 E. St., Belleville, Ill. 1908 Held, William J. 770 Washington St., Milwaukee, W. 477 31st Ave., Milwaukee, W. 477 31st Ave., Milwaukee, W. 3512 Independence Ave., Kan 477 31st Ave., Milwaukee, W. 3512 Independence Ave., Kan 477 31st Ave., Milwaukee, W. 3512 Independence Ave., Kan 477 31st Ave., Milwaukee, W. 3512 Independence Ave., Kan 477 31st Ave., Milwaukee, W. 3512 Independence Ave., Kan 477 31st Ave., Milwaukee, W. 3512 Independence Ave., Kan 477 31st Ave., Milwaukee, W. 3512 Independence Ave., Kan 477 31st Ave., Milwaukee, W. 3512 Independence Ave., Kan 477 31st Ave., Milwaukee, W. 3512 Independence Ave., Kan 477 31st Ave., Milwaukee, W. 3512 Independence Ave., Kan 477 31st Ave., Milwaukee, W. 3512 Independence Ave., Kan 477 31st Ave., Milwaukee, W. 3512 Independence Ave., Kan 477 31st Ave., Milwaukee, W. 3512 Independence Ave., Kan 477 31st Ave., Milwaukee, W. 3512 Independence Ave., Kan 477 31st Ave., Milwaukee, W. 3512 Independence Ave., Kan 477 31st Ave., Milwaukee, W. 3512 Independence Ave., Kan 477 31st Ave., Milwaukee, W. 3512 Independence Ave., Kan 477 31st Ave., Milwaukee, W. 3512 Independence Ave., Kan 477 31st Ave., Milwaukee, W. 3512 Independence Ave., Kan 477 31st Ave., Milwaukee, W. 3512 Independence Ave	(
9GG Hagen, Edwin	1,00
9GG Hagen, Edwin	go, Ill 25
9GE Hansen, Leland H	2
9GE Hansen, Leland H	is
9GE Hansen, Leland H	1d
9GE Hansen, Leland H	50
9GZ Harry, Charles. Quincy and Douglas Sts., Heugher Hauck, George. 218 Chestnut St., Newport, K 6939 May St., Chicago, Ill 300 E St., Belleville, Ill. 312 Independence Ave., Kan Higenberg, Noble C. 487 N. Capitol Ave., Indianay 1209 W. 25th St., Milwaukee, W 370 18th Ave., Milw	is 50
9GZ Harry, Charles. Quincy and Douglas Sts., Heugher Hauck, George. 218 Chestnut St., Newport, K 6939 May St., Chicago, Ill 300 E St., Belleville, Ill. 312 Independence Ave., Kan Higenberg, Noble C. 487 N. Capitol Ave., Indianay 1209 W. 25th St., Milwaukee, W 370 18th Ave., Milw	8 2
9FL Hauck, George. 218 Chestnut St., Newport, K 9CX Haynes, Roy. 6939 May St., Chicago, Ill. 300 E St., Belleville, Ill. 770 Washington St., Milwauke Hieronymus, Thomas G. Hilgenberg, Noble C. Hines, Gene. 1209 W. 25th St., Minneapolis, Mollister, Harold A. 370 18th Ave., Milwauke, W 9FQ Hood, Norman R. 4100 State St., Chicago, Ill. 3834 N. 25th St., St. Louis, M 9EW Jackson, Arved C. 9BI Jens, Elmer 1401 3d St., Davenport, Iowa 9CI Johnson, August R. 4002 May St., Chicago, Ill. 3834 High School Ave., Cour Iowa. 4100 State St., Chicago, Ill. 3834 N. 25th St., St. Louis, M 910 N. Girard Ave., Minneapolis, 334 High School Ave., Cour Iowa. 4100 State St., Chicago, Ill. 3834 N. 25th St., St. Louis, M 910 N. Girard Ave., Minneapolis, 344 High School Ave., Cour Iowa. 4100 State St., Davenport, Iowa. 4101 3d St.	Wis 27
9CX Haynes, Roy	ghton, Mich 66
9CX Haynes, Roy	y 1
9FR Heckenkamp, Emile B. 300 E St., Belleville, Ill	42
9CP Held, William J	77
9CU Hieronymus, Thomas G. 9DG Hilgenberg, Noble C. 9AR Hines, Gene. 1209 W. 25th St., Minneapolis, 370 18th Ave., Milwaukee, W. 9FQ Hood, Norman R. 9FF Hughes, Walter J. 9GZ Ihl, G. Sheridan. 9EW Jackson, Arved C. 9BI Jens, Elmer. 9DE Jensen, Arnold L. 9CI Johnson, August R. 3512 Independence Ave., Kan 827 N. Capitol Ave., Indiana; 370 18th Ave., Milwaukee, W. Y. M. C. A. Bldg., Burlington, 4100 State St., Chicago, Ill 3834 N. 25th St., St. Louis, M. 910 N. Girard Ave., Minneapol 1401 3d St., Davenport, Iowa 334 High School Ave., Cour	ee, Wis
9AR Hines, Gene	sas City, Mo 5
9AR Hines, Gene	polis, Ind
9AF Hollister, Harold A. 370 18th Ave., Milwaukee, W 9FQ Hood, Norman R. Y. M. C. A. Bldg., Burlington, 4100 State St., Chicago, Ill., 9EW Jackson, Arved C. 9BI Jens, Elmer. 1401 3d St., Davenport, Iowa 19DE Jensen, Arnold L. 334 High School Ave., Cour Iowa. 9CI Johnson, August R. Houghton, Mich.	
9FQ 9FF Hughes, Walter J	
9FF 9GZ Hughes, Walter J. 4100 State St., Chicago, Ill 9GZ 1hl, G. Sheridan. 3834 N. 25th St., St. Louis, M 9EW Jackson, Arved C. 910 N. Girard Ave., Minneapo 100 Jensen, Elmer. 1401 3d St., Davenport, Iowa 100 Jensen, Arnold L. 334 High School Ave., Cour 100 Johnson, August R. Houghton. Mich	Iowa 2
9GZ Ihl, G. Sheridan 3834 N. 25th St., St. Louis, M 9EW Jackson, Arved C 910 N. Girard Ave., Minneapo 9BI Jens, Elmer 1401 3d St., Davenport, Iowa 9DE Jensen, Arnold L 334 High School Ave., Cour Iowa 9CI Johnson, August R Houghton, Mich.	
9EW Jackson, Arved C	0 33
9BI Jens, Elmer	lis, Minn 3
9DE Jensen, Arnold L 334 High School Ave., Cour Iowa. 9CI Johnson, August R Houghton. Mich	
9CI Johnson, August R Houghton, Mich	
9BS Jorgenson Harold 941 Herrick Ave Racine Wi	8
	8 5
9CZ Joyce, Raymond A 516 E. 41st St., Chicago, Ill	50
9BD Keeler, Fayette W 1807 Cumming Ave., Superior	, Wis 1, 00
9EH Kegley, William F 2430 Kenwood Ave., Indiana	polis, Ind 1, 00
9BY Kennan, Richard C 3170 N. Illinois St., Indianap	olis, Ind 25
9FA King, Lawrence	rlisle, Ind. 49
9AA Klentz, Clarence 3809 Vincennes Ave., Chicago	
9CM Klicpera, Milhart F 1705 Douglas Ave., Racine, W	
9DH Knehans, Irwin N 7 S. Sprigg St., Cape Girardes	u. Mo 25
9DB Knotts, H. J. E Illiopolis, Ill.	iu, MO
9DB Knotts, H. J. E. Illiopolis, Ill. 9AK Kottler, Carl F. 1035 2d St., Milwaukee, Wis.	
9FU La Duke, Earl R. 1100 S. Josephine St., Denver 9EU Landis, Clyde L. 3020 S. Bryant Ave., Minnear	, Colo Ze
9EU Landis, Clyde L 3020 S. Bryant Ave., Minnean March 1996 Main St. Bickmand Jan	polis, Minn. 25
9EC Lebo, Robert B 1306 Main St., Richmond, Inc. 9AO Lipman, Theodore E. K. 136 W. Grand Ave., Beloit, W.	

Amateur Radio Stations—Ninth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
9GK	Lobas, John	635 31st St., Milwaukee, Wis	24
9ĞL	Long, Frank A	6046 Woodlawn Ave., Chicago, Ill	440
9EM	Love, Andrew A., jr	812 S. 7th St., Fargo, N. Dak	110
9CK	Lowe, Meredith B	2371 E. Pratt St., Indianapolis, Ind	50
9CG	Mahan, Joe R	214 S. 6th St., Independence, Kans	280
9FB	Martin, John J.	2107 Adams St., Chicago, Ill.	220
9AG	Marx, Gustav A	334½ 15th St., Milwaukee, Wis	220
9BB	Mattenheimer, Ervin B.	559 Lexington Ave., Newport, Ky	85
9AC		4418 Wabash Ave., Chicago, Ill	500
	McGuffage, William J		550
9ER	McLoad, Kenneth	3962-A Blaine Ave., St. Louis, Mo	150
9FZ	McManus, John C	1001 Morgan St., Keokuk, Iowa	
9BH	Miller, R. Boyce	400 S. 16th St., Independence, Kans	500
9CD	Moen, Vere	216 Cedar St., Boone, Iowa	50
9BR	Moore, Robert R	200 E. Armour Blvd., Kansas City, Mo.	1,000
9FW	Moreland, Henry F	1009 Washington Ave., Cairo, Ill	400
9AP	Morgan, Hiram	R. F. D. No. 30, Beloit, Wis	1,000
9GF	Mueller, Carl E	1010 S. Pierce St., Milwaukee, Wis	24
9EL	Murphy, James P	Broadland, S. Dak	30
9BE	Myers, Delbert	Amboy, Ind	45
9BQ	Nelson, Eddie	731 N. 3d St., Fargo, N. Dak	550
9CA	Norene, Raymond E	2558 Avenue A, Council Bluffs, Iowa	220
9FK	Oetjen, Richard J	Williams Bay, Wis	500
9DK	O'Neil, Donald H. C	5740 Bartmer Ave., St. Louis, Mo	600
9FY	Pagett, Harry L	1027 Fulton St., Keokuk, Iowa	18
9BL	Perine, W. B	1728 Hall Pl., Indianapolis, Ind	500
9CC	Pierson, Oscar E	Williams Bay, Wis	60
9HD	Prahl, Louis	463 10th Ave., Milwaukee, Wis	. 24
9FM	Preuss, Arthur C	212 E. 9th St., Newport, Ky	10
9AY	Quinby, Porter H	114 S. 19th St., Omaha, Nebr	20
9GA	Racke, Arthur L	31 18th St., Newport, Ky	490
9CS	Ragan, Tate V	523 Garfield Ave., Kansas City, Mo	
9FO	Rehm, Ralph E	1102 N. 3d St., Kansas City, Kans	160
9BW	Reinhardt, William	3437 Taylor St., Omaha, Nebr	250
9FS	Reineke, Earl C	1019 S. 5th Ave., Fargo, N. Dak	1,000
9CH	Riggin, Benjamin F	2112 Ammie Ave., Kansas City, Mo	50
9AQ	Riner, John A	High School, Beloit, Wis	1,000
9EO	Rivett, Ralph	1934 Garfield Ave., Lincoln, Nebr	400
9GS	Robbins, Donald T	15 W. 58th St., Kansas City, Mo	24
9EV	Sandquist, Reuben G	1122 W. Erie St., Chicago, Ill	20
9FV	Saunders, P. Bushnell	700 E. 4th St., Delta, Colo	550
9AL ·	Schroeder, Walter	647 Washington St., Milwaukee, Wis	l
9DN	Sears, Charles L	1322 Bayard Ave., St. Louis, Mo	185
9GH	Sever, Harold C	303 E. Broadway, Pleasant Plains, Ill	40
9BM	Shively, Roy J	827 S. 29th St., Omaha, Nebr	500
9EF	Shotwell, Harold H	446 W. 61st Pl., Chicago, Ill	770
9AJ	Siegel, Robert C	478 Potter Ave., Milwaukee, Wis	800
9EE	Silcox, Harry	1526 S. New Jersey St., Indianapolis, Ind.	550
9GJ	Simpson, Virgil S	1380 Union Ave., St. Louis, Mo	550
9GE	Smith, Hubert A	301 W. Illinois St., Urbana, Ill	1,000
9BA	Smith, Paul C	Mulberry, Ind	60
9FX	Smith, Wilson	219 Rome Ave., Rockford, Ill	450
9DO	Snyder, W. Roy	5356 Easton Ave., St. Louis, Mo	275
9EI	Spaniol, John T	1324 Harrison St., Superior, Wis	250
9GM	Sproehnle, John R	5809 Blackstone Ave., Chicago, Ill	250
9AT	Stetson, Donald T	2162 Carrol Ave., St. Paul, Minn	400
9AW	Stewart, Albert H	522 Ann St., Frankfort, Ky	250
9EA	Stribley, Orris J	511 S. 4th St., Moorhead, Minn	220
9FP	Tawkes, Charles E.	503 Hill St., Dubuque, Iowa	85
9AU	Taylor, Thomas J	1846 Lincoln Ave., St. Paul, Minn	
9BC	Thesing, Herman		
	THOMES TOTHIGHT	Nui Nui amelilliullu, Illussessesses	, 550

Amateur Radio Stations—Ninth District—Alphabetically by Owners of Stations—Continued.

Callsignal.	Owner of station.	Location of station.	Power.
			Watts.
9AH	Thomas, Carroll W	266 17th St., Milwaukee, Wis	12
9GO	Thompson, Harry E	712 E. Madison St., Belvidere, Ill	100
9GD	Thompson, Hugh L	3810 Walnut St., Kansas City, Mo	24
9EB	Tomann, Órville R	R. F. D. No. 1, Ellsworth, Wis.	24
9DD	Tschernitz, Frank	315 Chestnut St., Milwaukee, Wis	250
9EY	Urguhart, David G	110 S. Irving Ave., Chicago, Ill	32
9BZ	Van Deusen, Arthur S., jr	1613 Wesley Ave., Evanston, Ill	200
9BV	Van Slyck, Wellington	836 Main St., Lake Geneva, Wis	250
9DC	Wanner, Theodore L	Fargo, N. Dak	1,000
9CT	Wember, Anthony A	89 13th St., North Chicago, Ill	550
9CQ	Weyant, James E	Shortridge High School, Indianapolis, Ind	350
9CL	Whitaker, Harold P	1004 10th St., Racine, Wis	50
9GQ	Wiggin, Parker E	737 Waverly Ave., Kansas City, Kans	550
9AN	Willett, Charles J	425 Clement Ave., Milwaukee, Wis	440
9FG	Wilson, Gilbert M	718 S. 10th St., La Fayette, Ind	495
9EP	Wilson, Guy E	3922 Flora Ave., Kansas City, Mo	40
9HA	Woods, William E	4536-A Laclede Ave., St. Louis, Mo	500
9CY	Wooster, Stanley W	5531 Lowe Ave., Chicago, Ill	420
9FJ	Wyckoff, Ralph R	167 Diamond St., Houghton, Mich	27
9HB	Youker, J. Clayton	Lake Bluff, Ill	24
9DM	Ziesenis, Harry	700 Mississippi St., Lawrence, Kans	550

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.
		0DT	A
9AA	Klentz, Clarence.	9BF	Afanasiew, Nick.
9AB	Groskopf, William L.	9BG	Connell, John F.
9AC	McGuffage, William J.	9BH	Miller, R. Boyce.
9AD	Bryant, Stanley C.	9BI	Jens, Elmer.
9AE	Gundlach, Waldo L.	9BJ	Chapia, Edwin C.
9AF	Hollister, Harold A.	9BK	Clemons, G. H.
9AG	Marx, Gustav A.	9BL	Perine, W. B.
9AH	Thomas, Carroll W.	9BM	Shively, Roy J.
9AI	Cutting, Irving E.	9BN	Flynn, John H., jr.
9AJ	Siegel, Robert C.	9BO	Fry, Claud.
9AK	Kottler, Carl F.	9BP	Gatzek, Richard.
9AL	Schroeder, Walter.	9BQ	Nelson, Eddie.
9AM	Foster, Edwin J.	9BR	Moore, Robert R.
9AN	Willett, Charles J.	9BS 9BT	Jorgenson, Harold.
9AO 9AP	Lipman, Theodore E. K.		Duquette, Herbert E.
	Morgan, Hiram.	9BU 9BV	Brown, Clarence L.
9AQ	Riner, John A.	9BW	Van Slyck, Wellington.
9AR 9AS	Hines, Gene.	9BX	Reinhardt, William.
9AT	Billiter, Earle D.	9BY	Hantzsch, Ralph E.
9AU	Stetson, Donald T.	9BZ	Kennan, Richard C.
9A V	Taylor, Thomas J. Hamel, Walter H.	952	Van Deusen, Arthur S., jr.
9AW	Stewart, Albert H.	9CA	Norene, Raymond E.
9AX	Fowler, Harry A.	9CC	Pierson, Oscar E.
9AY	Ouinby Portor H	9CD	Moen, Vere.
9AZ	Quinby, Porter H. Gerhard, George J.	9CE	Hansen, Leland H.
JAZ	Germand, George J.	9CF	Anderson, Adolf G.
9BA	Smith, Paul C.	9CG	Mahan, Joe R.
9BB	Mattenheimer, Ervin B.	9CH	Riggin, Benjamin F.
9BC		9CI	Johnson, August R.
9BD	Thesing, Herman. Keeler, Fayette W.	9CJ	Harry, Charles.
9BE	Myers, Delbert.	9CK	Lowe, Meredith B.
4DE	myers, Deineit.	ii ook	Lowe, meredian D.

Amateur Radio Stations—Ninth District—Alphabetically by Call Signals—Continued.

all signal.	Owner of station.	Call signal.	Owner of station.
9CL	Whitaker, Harold P.	9FA	King, Lawrence
9CM	Klicpera, Milhart F.	9FB	Martin, John J.
9CN	Cobb, Merle.	9FC	Anders, Harry R.
9CO	Bantz, Russell.	9FE	Dunklan George
9ČP	Bantz, Russell. Held, William J.	9FF	Dunklan, George. Hughes, Walter J.
9ČQ	Weyant, James E.	9FG	Wilson, Gilbert M.
9CŘ	Buehner, Howard.	9FH	Dahm, Henry L.
9ČŠ	Ragan, Tate V.	9FI	Chaudet, William J.
9CT	Wember, Anthony A.	9FJ	Wyckoff, Ralph R.
9CU	Hieronymus, Thomas G.	9FK	Oetjen, Richard J.
9CV	Hamilton, Leo L.	9FL	Hauck, George.
9CW	Egloff, Martin F.	9FM	Preuss, Arthur C.
9CX	Haynes, Roy.	9FN	Abraham, Walter H.
9CY	Wooster, Stanley W.	9FO	Rehm, Ralph E.
9CZ	Joyce, Raymond A.	9FP	Tawkes, Charles E.
	, , ,	9FQ	Hood, Norman R.
9DA	Berger, Frank G.	9FŘ	Heckencamp, Emile B.
9DB	Knotts, H. J. E.	9FS	Reineke, Earl C.
9DC	Wanner, Theodore L.	9FT	Graves, G. G.
9DD	Tschernitz, Frank.	9FŪ	La Duke, Earl R.
9DE	Jensen, Arnold L.	9FV	Saunders, P. Bushnell.
9DF	Dangerfield, Alfred H.	9FW	Moreland, Henry F.
9DG	Hilgenberg, Noble C.	9FX	Smith, Wilson.
9DH	Knehans, Irwin N.	9FY	Pagett, Harry L.
9DI	Cottrell, W. Roscoe.	9FZ	McManus, John C.
9DJ	Biltonen, William A.		
9DK	O'Neil, Donald H. C.	9GA	Racke, Arthur L.
9DL	Goodell, Myron L.	9GB	Boess, Murray R.
9DM	Ziesenis, Harry.	9GD	Thompson, Hugh L.
9DN	Sears, Charles L.	9GE	Smith, Hubert A.
9DO	Snyder, W. Roy.	9GF	Mueller, Carl E.
9DP	Clark, Bayard H.	9GG	Hagen, Edwin.
	. •	9GH	Sever, Harold C.
9EA	Stribley, Orris J.	9GI	Hanson, Frederick R. A.
9EB	Tomann, Orville R.		,
9EC	Lebo, Robert B.	9GJ	Simpson, Virgil S.
9ED	Burgess, Charles M.	9GK	Lobas, John.
9EE	Silcox, Harry.	9GL	Long, Frank A.
9EF	Shotwell, Harold H.	9GM	Sproehnle, John R.
9EG	Dean, Carl W.	9GN	Curtis, Charles D.
9EH	Kegley, William F.	9GO	Thompson, Harry E.
9EI	Spaniol, John T.	9GP	Denny, L. Erle.
9EJ	Kreis, Érwin.	9GQ	Wiggin, Parker E.
9EK	French, Newell E.	9GS	Robbins, Donald T.
9EL	Murphy, James P.	9GT	Grecian, Everett.
9EM	Love, Andrew A., jr.	9GU	Clayton, Homer E.
9EN	Fisher, Ralph.	9GV	Coles, James A.
9EO	Rivett, Ralph.	9GW	Arnold, Ercil.
9EP	Wilson, Guy E.	9GX	Capper, Earl W.
9EQ	Cruikshank, Charles A., jr.	9 GY	Bullock, Asa C.
9ER	McLoad, Kenneth.	9GZ	Ihl, G. Sheridan.
9ES	Graham, Walter N., jr.		•
9ET	Conzelman, J. Wilson.	9HA	Woods, William E.
9EU	Landis, Clyde L.	9HB	Youker, J. Clayton.
9EV	Sandquist, Reuben G.	9HD	Prahl, Louis.
9EW	Jackson, Arved C.	9HE	Bergvall, Royal C. and Wesley
9EX	Adolfson, George S.		-,
9EY	Urquhart, David G.		•
9EZ	Davis, Richard M.	- 11	

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M.S. -- Bureau of navigation

DEPARTMENT OF COMMERCE BUREAU OF NAVIOUS LORGEY

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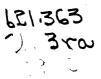
RADIO STATIONS OF THE UNITED STATES

EDITION JULY 1, 1915



WASHINGTON GOVERNMENT PRINTING OFFICE Additional copies of this publication may be procured from the Super-intendent of Documents, Government Printing Office, Washington, D. C., at 15 cents per copy.

Copies of other publications of the Radio Service, Department of Commerce, may also be procured from the Superintendent of Documents, as follows: Radio Communication Laws and Regulations, 15 cents each; Radio Service Bulletin (issued monthly), containing amendments to or changes in radio laws and regulations and items of general interest concerning their enforcement, with latest information concerning all radio stations, except amateur, 5 cents each or 25 cents per year.



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1	Alphabetically by call signals.	1
- /	Fifth district (headquarters, New Orleans, La.).	1
حل	Alphabetically by owners of stations.	1
مل	Alphabetically by call signals.	1
I	Sixth district (headquarters, San Francisco, Cal.).	1
\mathcal{L}	Alphabetically by owners of stations	1
. 1	Alphabetically by call signals.	1
20	Seventh district (headquarters, Seattle, Wash.).	1
720	Alphabetically by owners of stations.	1:
	Alphabetically by call signals.	1:
3	Eighth district (headquarters, Cleveland, Ohio).	1
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NOTES.

Supplements, under the title "Radio Service Bulletin," will be issued monthly and distributed to the United States officers engaged in or concerned with the enforcement of the radio laws for their guidance and instruction, and to those concerned with the operation of Government and commercial radio stations for their information.

The Radio Service Bulletin supersedes the quarterly supplements to the list of Radio Stations of the United States, and contains information concerning Government, commercial, and special stations only. Information regarding amateur stations appears only in the annual edition of the list of Radio Stations of the United States.

The bulletin contains tables of new stations, alterations, and corrections under headings, so that the list of Radio Stations of the United States and the list of Radio-telegraph Stations, published by the international bureau at Berne, may be brought up to date. Additions, alterations, and corrections should be entered in these two publications promptly on receipt of the bulletin.

Amendments to or changes in the Radio Laws and Regulations of the United States are printed in this bulletin in such a manner that they may be clipped and pasted in their proper places in that publication.

Items of general interest concerning the enforcement of the radio laws are printed in the bulletin from time to time, as occasion warrants.

Copies of this bulletin may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 5 cents per copy or 25 cents per year.

Underscoring of normal wave lengths is indicated by the use of italics.

Government vessels showing "nature of service" to be PG will accept or transmit paid messages for officers or members of crews.

Government vessels proceeding singly may relay messages to the coast upon request. The regular ship rate will apply.

INTERNATIONAL ABBREVIATIONS USED IN THIS LIST.

Nature of service:

PG=General public.

PR=Limited public.

P=Private (limited commercial and special).

O=Government business exclusively.

Hours of operation:

N=Continuous service.

X=No regular hours.

Classification:

b=Ship station.

c=Land station.

OTHER ABBREVIATIONS.

Assn. = Association.

Corp.=Corporation.

Nav.=Navigation.

Transp.=Transportation.

Marconi Co.=Marconi Wireless Telegraph Co. of America.

U. S. C. G.=United States Coast Guard.

D., L. & W. R. R. Co. = Delaware, Lackawanna & Western Railroad Co.

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RADIO STATIONS OF THE UNITED STATES.

INTRODUCTION.

This list, including land and ship stations, is published in accordance with Section I of an act of Congress entitled "An act to regulate radio communication," approved August 13, 1912.

The following instructions concerning radio call letters are issued for the information of those concerned:

- 1. Section 7 of the act of August 13, 1912, to regulate radio communication provides:
- SEC. 7. That a person, company, or corporation within the jurisdiction of the United States shall not knowingly utter or transmit, or cause to be uttered or transmitted, any false or fraudulent distress signal or call or false or fraudulent signal, call, or other radiogram of any kind. The penalty for so uttering or transmitting a false or fraudulent distress signal or call shall be a fine of not more than two thousand five hundred dollars or imprisonment for not more than five years, or both, in the discretion of the court, for each and every such offense, and the penalty for so uttering or transmitting, or causing to be uttered or transmitted, any other false or fraudulent signal, call, or other radiogram shall be a fine of not more than one thousand dollars or imprisonment for not more than two years, or both, in the discretion of the court, for each and every such offense.
- 2. The Service Regulations of the International Radiotelegraphic Conventions provide that the call letters of stations in the international system must each be formed of a group of three letters which shall be distinguishable from one another. The London International Radiotelegraphic Conference made a partial allotment of call letters among nations which signed the convention and the International Bureau at Berne, with the consent of such nations, has modified and added to this assignment of call letters by circulars of April 1, 1914, and August 1, 1915. The distribution of call letters among nations thus authorized is printed below for the guidance of operators of all stations (ship and shore) of the United States.

A......All to Germany and protectorates.

B......All to Great Britain.

CAA to CEZ. Chile.

CFA to CMZ. Not yet assigned.

CNA to CNZ. Morocco.

COA to COZ. Not yet assigned.

CPA to CPZ...Bolivia.

CQA to CQZ...Monaco.

CRA to CTZ... Portugal and colonies.
CUA to CUZ... Not yet assigned.
CVA to CVZ... Roumania.
CWA to CWZ... Uruguay.
CXA to CZZ... Not yet assigned.
D.......All to Germany and protectorates.
EAA to EGZ.. Spain and colonies.

EHA to EZZ. . Not yet assigned.

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F All to France and colonies.	RAll to Russia.
GAll to Great Britain.	SAA to SMZSweden.
HAA to HFZ. Austria-Hungary and Bos-	SNA to STZBrazil.
nia-Herzegovina.	SUA to SUZEgypt.
HGA to HHZSiam.	SVA to SZZGreece.
HIA to HIZ Dominican Republic.	TAA to TMZTurkey.
HJA to HKZ Colombia (Republic).	TNA to TZZGermany and protecto-
HLA to HZZNot yet assigned.	rates.
IAll to Italy and colonies.	UAA to UMZFrance and colonies.
JAll to Japan and posses-	UNA to UZZAustria-Hungary and Bos-
sions.	nia-Herzegovina.
KAA to KCZGermany and protecto-	VAA to VGZ Canada (British).
rates.	VHA to VKZAustralian Federation
KDA to KZZ United States.	(British).
LAA to LHZNorway.	VLA to VMZ New Zealand (British).
LIA to LRZArgentine Republic.	VNA to VNZ. South African Union
LSA to LWZNot yet assigned.	(British).
LXA to LZZBulgaria.	VOA to VOZNewfoundland (British).
MAll to Great Britain.	VPA to VSZBritish colonies not au-
NAll to the United States.	tonomous.
OAA to OFZ Not yet assigned.	VTA to VWZBritish India.
OGA to OMZAustria-Hungary and Bos-	VXA to VXZ Newfoundland (British).
nia-Herzegovina.	VYA to VZZGreat Britain.
ONA to OTZBelgium ando clonies.	WAll to the United States.
OUA to OZZ. Denmark.	XAA to XDZMexico.
PAA to PIZNetherlands.	XEA to XMZNot yet assigned.
PJA to PJMCuração (Dutch).	XNA to XSZChina.
PJN to PJZSurinam (Dutch).	XTA to XZZNot yet assigned
PKA to PMZ. Dutch East Indies.	YAll to Great Britain.
PNA to PZZBrazil.	ZAll to Great Britain.
QReserved for code abbre-	
viations.	•

PUBLIC-SERVICE STATIONS.

- 3. The call letters assigned to the United States are all combinations (676) beginning with the letter N and all (676) beginning with the letter W, and all combinations (598) from KDA to KZZ, inclusive. The total number of international call letters assigned to the United States is thus 1,950, and these are reserved for Government stations and stations open to public and limited commercial service.
- (a) All combinations beginning with the letter N are reserved for Government stations and in addition the combinations from WUA to WVZ and WXA to WZZ are reserved for stations of the Army of the United States.
- (b) The combinations KDA to KZZ, with a few exceptions, are reserved for ship stations on the Atlantic and Gulf of Mexico and for land stations on the Pacific coast.
- (c) The combinations beginning with W (except WUA to WVZ and WXA to WZZ as already indicated) are reserved, with a few

exceptions, for ship stations on the Pacific and the Great Lakes and for land stations on the Atlantic and Gulf coasts and in the Great Lakes region.

AMATEUR STATIONS.

- 4. The call letters for amateur stations in the United States are awarded by radio inspectors, each for his own district, according to the following system:
- (a) The call will consist of three items—the number of the radio district, followed by two letters of the alphabet. Thus, the call of all amateur stations in New England (which comprises the first district) is the figure "one" in Continental Morse, followed by two letters; in California (in the sixth district) the figure "six" followed by two letters; in South Carolina the figure "four" followed by two letters; in Missouri the figure "nine" followed by two letters, etc. The letters X, Y, Z, are not used as the first of the two letters.

The territory of each district is as follows:

- 1. Boston, Mass.........Maine, New Hampshire, Vermont, Massachusetts, Rhode . Island, Connecticut.
- New York, N. Y..... New York (county of New York, Staten Island, Long Island, and counties on the Hudson River to and including Albany, Rensselaer, and Schenectady), and New Jersey (counties of Bergen, Passaic, Essex, Union, Middlesex, Monmouth, Hudson, and Ocean).
- 3. Baltimore, Md......New Jersey (all counties not included in second district),
 Pennsylvania (counties of Philadelphia, Delaware, all
 counties south of the Blue Mountains, and Franklin
 County), Delaware, Maryland, Virginia, District of
 Columbia.
- 4. Savannah, Ga......North Carolina, South Carolina, Georgia, Florida, Porto Rico.
- New Orleans, La....Alabama, Mississippi, Louisiana, Texas, Tennessee, Arkansas, Oklahoma, New Mexico.
- 6. San Francisco, Cal.. California, Hawaii, Nevada, Utah, Arizona.
- 7. SEATTLE, WASH......Oregon, Washington, Alaska, Idaho, Montana, Wyoming.
- 8. CLEVELAND, OHIO.....New York (all counties not included in second district),
 Pennsylvania (all counties not included in third district),
 West Virginia, Ohio, Michigan (Lower Peninsula).
- (b) The three items—a given figure first, followed by two letters of the alphabet—thus may be combined in 598 different calls.
- (c) Radio inspectors insert amateur station calls in station licenses according to this system, and keep a permanent chart of 598 squares, lettered with the alphabet from left to right and from top to bottom (A to W), inserting in the appropriate square the serial license number and name of owner of the station to which the call letters are awarded. Within these limitations radio inspectors

will use their discretion in the award of calls, avoiding, of course, duplications.

- (d) When a station is abandoned and the license canceled, or if a license shall be forfeited for violation of law, the call assigned to it may be allotted to another station.
- (e) When the entire 598 calls have been exhausted, radio inspectors will issue additional calls, consisting of the figure of the district followed by three letters. From such combinations will be excluded the combinations SOS and PRB, all three-letter combinations beginning with QR or QS, all combinations involving the repetition of the same letter three times, three-letter combinations beginning with K, N, W, X, Y, Z, and other combinations, which, for various reasons, international, national, local, or individual, may be objectionable. With such exclusions, over 10,000 calls will remain for each district.

LIMITED COMMERCIAL STATIONS.

5. Calls for limited commercial land stations are allotted by the Bureau of Navigation.

SPECIAL CLASSES OF STATIONS.

6. Calls for special classes of stations, such as experiment stations for the development of radio communication, technical and training school stations, and special amateur stations are allotted by the Bureau of Navigation.

The call will consist of three items—the number of the radio district, followed by two letters of the alphabet. The first letter will be: X, for experiment stations; Y, technical and training schools; Z, special amateur stations.

Twenty-six different combinations for each class in each district are possible. If more should prove necessary for any class in any district, a third letter will be added to the call.

RADIO STATIONS OF THE WORLD.

The International List of Radio Stations of the World (edition in English) can be procured from the International Bureau of the Telegraphic Union (Radiotelegraphic Service), Berne, Switzerland.

In addition to the information contained in the list of the United States stations, published by the Bureau of Navigation, the international list shows geographical locations, normal ranges in nautical miles, radio systems, and rates.

The international list includes the Government and commercial land and ship stations of the United States. The list is divided into three parts. The first part contains a list of ship stations, grouped

by countries and arranged alphabetically; the second part contains a list of land stations arranged in the same manner; and the third part contains tables of land line and cable charges from coast radio stations to inland and various other points. In computing the total word rate applicable to a radiogram from a ship station to an inland point, or vice versa, the three rates must be added. The rates in the international list are given in francs, but may be converted into dollars and cents by multiplying by five. Supplements to the international list will be issued monthly, and will contain new stations and tables of alterations. A copy of the international list should be in every land and ship station open to commercial business as the official tariff book, and a copy of this list is required as a part of the equipment of every land station open to general public service and every ship station of the first or second class on American vessels engaged in foreign trade or the transoceanic service.

The International Alphabetical List of Call Letters (stations of the world) is also issued by the International Bureau at Berne, and supplements are issued monthly.

Neither the international list nor the supplements contain a list of amateur stations.

Inquiries as to the subscription prices of these lists should be made direct to the Berne bureau at the address given above. Remittances to Berne should be made by international postal money orders.

E. T. CHAMBERLAIN, Commissioner of Navigation.

Approved:

E. F. SWEET,

Acting Secretary.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

[This list includes Government, commercial, special, and all other land stations except special and restricted and general amateur.]

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
Akron, Ohio	WOI	300, 600, 2070		8 a. m. to 4.30 p. m.	Goodyear Tire & Rubber Co.
Akutan, Alaska	KMW		PR	4.50 р. ш.	North Pacific Sea Products Co.
Albina, Oreg. See Portland, Oreg. (KGN).	NAT		0		and guident.
Annapolis, Md	NAK		0	8 a. m. to 10 p. m.	U. S. Navy.
Arlington, Radio, Va.	NAA		0	N	U. S. Navy.
Ashtabula, Ohio	WSA	300, 600	PG	6.30 a. m. to 6 p. m.	Marconi Co.
Astoria, Oreg	KPC	300, 600, 1800, 3100	PG	N.	Marconi Co.
Avalon, Cal	KPI	300, 527, 600	PR	7 a. m. to	Marconi Co.
Balboa, Panama	NPJ	600	PG	8 p. m.	U. S. Navy.
Baltimore, Md	WBS	300, 550, 600	PG	6 a. m. to midnight.	Marconi Co.
Beaufort, N. C	NAN		0	N N	U. S. Navy.
Belmar, N. J Benton Harbor, Mich.	WIZ	300, 500, 600	PR	X	Marconi Co. Grahan & Morton
Binghamton, N. Y	WBT	1610	PR	X	Transp. Co. D., L. & W. R. R. Co.
Bolinas, CalBoston, Mass	KET WCH	300, 600, 1610, 2000, 2400, 2800	Р	X	Marconi Co. Nat. Elec. Signal- ing Co.
Boston, Mass Boston, Mass Bremerton, Wash. See Puget Sound.	WBF NAD	300, 600	PG O	N N	Marconi Co. U. S. Navy.
Brooklyn, N. Y	WCG	$\begin{cases} 300, 600, 1650, \\ 1800, 2600, \\ 3600 \end{cases}$	PG PR	\begin{cases} 4 a. m. to \\ noon; 1 \\ p. m. to \\ 9 p. m. \end{cases}	Nat. Elec. Signaling Co.
Brownsville, Tex Buffalo, N. Y	WUZ WBL	1000 300, <i>600</i>	O PG	X (1)	U. S. Army. Marconi Co.
Burrwood, La	WBW	£300,600,1650,	PG	} (2)	∫Tropical Radio Tel-
Calumet, Mich	WCM	1800	PR PG		egraph Co. Marconi Co.
Canton, Ohio	WQP	500	P	(3) X	Henry L. Ley.
Cape Blanco, Oreg	NPF	600	PG	N	U. S. Navy.
Cape Cod, Mass Cape Hatteras (Bux-	NAE WHA	300, 600	O PG	N N	U. S. Navy. Marconi Co.
ton), N. C.	******	000, 000	10	1	Little Co.

¹ Apr. 15 to June 3 and Sept. 15 to Dec. 15: 1 a. m. to 7 a. m.; 7 p. m. to midnight. June 3 to Sept. 15: 1 a. m. to 6 a. m.; 7 a. m. to noon; 1 p. m. to 6 p. m.; 7 p. m. to midnight.

² 7 a. m. to 7.05 a. m.; 9 a. m. to 9.05 a. m.; 11 a. m. to 11.05 a. m.; 2 p. m. to 2.05 p. m.; 4 p. m. to 4.05 p. m.; 7 p. m. to 7.05 p. m.

³ 2 a. m. to 7 a. m.; 8 a. m. to 1 p. m.; 2 p. m. to 7 p. m.; 8 p. m. to 1 a. m.

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LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS-Continued.

		, 			
Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by-
Cape May, N. J Cavite, P. I Charleston, S. C	WCY NPO NAO	300, 550, <i>600</i>	PG O PG	N N N	Marconi Co. U. S. Navy. U. S. Navy.
Chicago, Ill	WGO	300, 500, 600	${ f PG \choose PR }$	(¹)	Marconi Co.
Chignik, Alaska Circle City, Alaska Clarks Point, Alaska Cleveland, Ohio Colon, Panama Cordova, Alaska Corregidor Isld., P. I. See Fort Mills.	KHC WVA KHG WCX NAX NPA	300, 600 600 600	O PG PG PG	(2) N N	Marconi Co. U. S. Army. Marconi Co. Marconi Co. U. S. Navy. U. S. Navy.
Cuyo, P. I	wvx	600, 1200	PG	7 a. m. to 6.15 p. m.	Insular Govt., Phil- ippine Islds.
Hillcrest. Darien, Panama Davao, Mindanao Isld., P. I.	NBA WVO	600, 1200	O PG	N 7 a. m. to 6 p. m.	U. S. Navy. U. S. Army.
Denver, Colo Detroit, Mich. (WDR). See River Rouge, Mich.	KIX	600	P	(3)	William H. Smith.
Detroit, Mich	WOK	300, 600, 2070	ļ	8.30 a. m. to 4.30	Goodyear Tire & Rubber Co.
Diamond Shoals Lightship (off Cape Hatteras, N. C.).	NLB		О	p. m. 6 a. m. to 10 p. m.	U. S. Navy.
D., L. & W.R.R.lim- ited train.	WBI				D., L. & W. R. R. Co.
Douglas, Ariz	KDC	300, 600	P	(4)	Copper Queen Consolidated Mining Co.
Dover, N. J	WBX		 		D., L. & W. R. R.
Duluth, Minn Dutch Harbor, Alaska	WDM NPR	300, <i>600</i> 600	PG PG	(5) N	Marconi Co. U. S. Navy.
East San Pedro, Cal	KPJ	300, 500, 600	{PR PG) N	Marconi Co.
Egegak, Alaska	KMF	300, 600	P	'x	North Alaska Sal- mon Co.
Ensenada, P. R	WPR	300, 600, 1610	PR PG	} (6)	Guanica Centrale.
Eureka, Cal Eureka, Cal Fairbanks, Alaska Farallons, Cal	KPM NPW WVB NPI	300, 600 600 600, 1400	PG PG PG O	(7) N N	Marconi Co. U. S. Navy. U. S. Army. U. S. Navy.
Fire Island, N. Y Fort Adams, R. I	NAG WUU	1200	0	N 6 a. m. to 10 p. m.	U. S. Navy. U. S. Army.

^{112.30} p. m. to 7 p. m.; 8 p. m. to 11.30 p. m.; 12.30 a. m. to 7 a. m.; 8 a. m. to 11.30 a. m.; when lake is open to navigation.

2 9 a. m. to noon; 12.30 p. m. to 8 p. m.; 9 p. m. to 11 p. m.; 12 midnight to 8 a. m.

8 9 a. m. to 11.30 a. m.; 7.30 p. m. to 11 p. m.

10 a. m. to 11 a. m.; 4 p. m. to 5 p. m.

11 a. m. to 7 a. m.; 8 a. m. to noon; 1 p. m. to 7 p. m.; 8 p. m. to midnight.

Week days, 8 a. m. to 6 p. m.; Sundays, 9 a. m. to noon.

7 8.30 a. m. to 6 p. m.; 7.30 p. m. to 5 a. m.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS-Continued.

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by
Fort Andrews, Mass	WUA		o	6 a. m. to 10 p. m.	U. S. Army.
Fort Barrancas, Fla	WZD	1200	0	6 a. m. to	U. S. Army.
Fort Crockett, Tex	wux	1200	0	10 p. m. 6 a. m. to 10 p. m.	U. S. Army.
Fort De Russy, Ha- waii.	WZG		0	6 a. m. to 10 p. m.	U. S. Army.
Fort Drum, El Fraile Isld., Manila Bay, P. I.	WVP		0	6 a. m. to 10 p. m.	U. S. Army.
Fort Egbert, Alaska Fort Frank, Carabao Isld., Manila Bay, P. I.	WVC	600, 1400	0	6 a. m. to 10 p. m.	U. S. Army. U. S. Army.
Fort Gibbon, Alaska Fort Hancock, N. J	WVD WUB	1600, 2000	0	6 a. m. to 10 a. m.	U. S. Army. U. S. Army.
Fort H. G. Wright, N. Y.	WUC		0	6 a. m. to	U. S. Army.
Fort Howard, Md	WZB	1200	0	10 p. m. 6 a. m. to	U. S. Army.
Fort Hughes, Caballo Isld., Manila Bay,	WVM		0	10 p. m. 6 a. m. to 10 p. m.	U. S. Army.
P. I. Fort Leavenworth, Kans.	MAD	1800	0		U. S. Army.
Fort Leavenworth, Kans. (Army Signal School).	wuv		0		U. S. Army.
Fort Levett, Me	WUE		0	6 a. m. to	U. S. Army.
Fort Mills, Corregi- dor Isld., Manila Harbor, P. I.	WVN		PG	10 p. m. 6 a. m. to 10 p. m.	U. S. Army.
Fort Monroe, Va	WUF		0	6 a. m. to	U. S. Army.
Fort Monroe, Va. (Coast Artillery School).	WUG		0	10 p. m. 6 a. m. to 10 p. m.	U. S. Army.
Fort Morgan, Ala	WFM		{PR PG	} (¹)	Marconi Co.
Fort Morgan, Ala	WUR	1200	O O	6 a. m. to 10 p. m.	U. S. Army.
Fort Riley, Kans Fort Rosecrans, Cal	WUI WUS	1200 1200	0	6 a. m. to	U. S. Army. U. S. Army.
Fort Sam Houston, Tex.	WUJ	650	0	10 p. m.	U. S. Army.
Fort San Jacinto, Tex.	WUY	1200	0	6 a. m. to	U. S. Army.
Fort Screven, Ga	WZA	1200	0	10 p. m. 6 a. m. to 10 p. m.	U. S. Army.

¹ For general public service, 7.10 a. m. to 7.20 a, m.; 7.40 a. m. to 7.50 a. m.; 8.10 a. m. to 8.20 a. m.; 8.40 a. m. to 8.50 a. m.; 9.10 a. m. to 9.20 a. m.; 10.10 a. m. to 10.20 a. m.; 10.40 a. m. to 10.50 a. m.; 11.10 a. m. to 11.20 a. m.; 11.40 a. m. to 11.50 a. m.; 12.10 p. m. to 12.20 p. m.; 2.10 p. m. to 2.20 p. m.; 2.40 p. m. to 2.50 p. m.; 3.10 p. m. to 3.20 p. m.; 3.40 p. m. to 3.50 p. m.; 6.10 p. m. to 4.20 p. m.; 4.40 p. m.; 4.40 p. m. to 4.50 p. m.; 5.10 p. m. to 5.20 p. m.; 5.40 p. m. to 5.50 p. m.; 6.10 p. m. to 6.20 p. m. For limited public service, 7 a. m. to 7.10 a. m.; 7.30 a. m. to 7.40 a. m.; 8 a. m. to 8.10 a. m.; 8.30 a. m. to 8.40 a. m.; 9 a. m. to 9.10 a. m.; 10 a. m. to 10.10 a. m.; 10.30 a. m. to 10.40 a. m.; 11 a. m. to 11.10 a. m.; 11.30 a. m. to 11.40 a. m.; 12 noon to 12.10 p. m.; 2 p. m. to 2.10 p. m.; 2.30 p. m. to 2.40 p. m.; 3 p. m. to 3.10 p. m.; 3.30 p. m. to 3.40 p. m.; 4 p. m. to 4.10 p. m.; 4.30 p. m. to 4.40 p. m.; 5 p. m. to 5.10 p. m.; 5.30 p. m. to 5.40 p. m.; 6 p. m. to 6.10 p. m.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS-Continued.

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Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
Fort Shafter, Hono- lulu, Hawaii.	WZH	300	0		U. S. Army.
Fort Stevens, Oreg	WUK		O 6 a. m. to 10 p. m.		U. S. Army.
Fort St. Michael, Alaska.			600, 1200 PG 9 a		U. S. Army.
Fort Terry, N. Y	wuw	1200	0	9 p. m. 6 a. m. to	U. S. Army.
Fort Totten, N. Y	WUL		0	10 p. m. 6 a. m. to	U. S. Army.
Fort Whitman, Wash.	WZC	1200	0	10 p. m. 6 a. m. to	U. S. Army.
Fort Winfield Scott,	wuo		0	10 p. m. 6 a. m. to	U. S. Army.
Cal. Fort Wint, Grand Isld., Manila Bay,	WVR		0	10 p. m. 6 a. m. to 10 p. m.	U. S. Army.
P. I. Fort Wm. McKinley,	wvq	600	0		U. S. Army.
Luzon Isld., P. I. Fort Wood, N. Y Fort Worden, Wash	WUM WUN		0	6 a. m. to 10 p. m.	U. S. Army. U. S. Army.
Frankfort, Mich Frying Pan Shoals Lightship (off Cape Fear, N. C.)	WFK NLC	300, 600	PG O	(i) 6 a. m. to 10 p. m.	Marconi Co. U. S. Navy.
Galveston, Tex Grand Haven, Mich Guam, Marianne Islds.	WGV WGH NPN	300, 500, <i>600</i> 300, <i>600</i> 300, <i>600</i>	PG PG PG	(2) (3) N	Marconi Co. Marconi Co. U. S. Navy.
Guantanamo Bay, Cuba. Hatteras, N. C. See	NAW	600	PG	N	U. S. Navy.
Cape Hatteras. Heeia Point, Hawaii.	KHX	300, 600, 3000, 3500, 5500, 8000, 10000, 12000	PR	N	Federal Telegraph Co.
Hillcrest, Cal Hoboken, N. J Hollister, Cal	KPH WBU KGH	309, 600 2250 300, 600, 1650	PG PR PR	N X X	Marconi Co. Marconi Co. George Hewlett
Honolulu, Hawaii Hull, Mass Huntington Harbor,	NPM WLO WLM	300, 600, 1650	0 P	N X	(Inc.). U. S. Navy. Ralph C. Emery. W. K. Vanderbilt,
Northport, N. Y. Iditarod, Alaska	KIV	500	PR	9 a. m. to	jr. Alaska Wireless Telegraph Co
Isle Royal, Mich Jacksonville, Fla Jolo, Jolo Isld., P. I	WRO WJX WVS	300, 600 300, 600 600	PG PG	7 p. m. (4) 7 a. m. to 5.15 p. m.	Telegraph Co. Marconi Co. Marconi Co. Insular Govt.,Phil- ippine Islds.
Jualin, Alaska Juneau, Alaska	KJA KDU	300, <i>600</i> , 1800, 3100	PG	N N	Marconi Co. Marconi Co.
Jupiter, Fla Kahuku, Hawaii. See Koko Head.	NAQ	3100	О	N	U. S. Navy.

¹ 8 a. m. to noon; 1 p. m. to 7 p. m. ² 7 a. m. to 12 noon; 1 p. m. to 2 a. m.



³ 7 a. m. to noon; 8 p. m. to 11 p. m. ⁴ 5.30 a. m. to midnight.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS-Continued.

Station.	Call signal.	Wave lengths.	Serv-	Hours of operation.	Station controlled by—
Karluk, Alaska	КНА				Marconi Co.
Kaunakakai, Hawaii.	кно	300, 450	PR	X	Mutual Telephone Co. (Ltd.).
Kawaihae, Hawaii	KHN	300, 600			Mutual Telephone Co. (Ltd.).
Ketchikan, Alaska	KPB	300, <i>600</i> , 1800, 3100	PG	N	Marconi Co.
Key West, Fla Kodiak, Alaska	NAR NPS	600 600	PG PG	N N	U. S. Navy. U. S. Navy.
Kogiung, Alaska Koko Head, Hawaii	KHB KIIJ		PR		Marconi Co. Marconi Co.
Koko Head, Hawaii	KIE WVF	coo	PG	(1)	Marconi Co.
Kotlik, Alaska Kvichak, Alaska	KMT	300, <i>600</i> , 2000	PR	X Y	U. S. Army. North Alaska Sal-
Kvichak Alaska "Lackawanna Limited." See D., L. & W. R. R. lim-	KML	300, 500, 600	P	x	mon Co. North Alaska Sal- mon Co.
ited train. Lahaina, Hawaii	KHL	300, 600	PG		Mutual Telephone Co. (Ltd.).
Lents, Oreg Lihue, Hawaii	KFU KHM	300, 600	PR PG		Federal Tel. Co. Mutual Telephone Co. (Ltd.).
Los Angeles, Cal	KEX	300, 600	P	9 a. m. to	Marconi Co.
Los Angeles, Cal	KLS		ļ	5 p. m.	Federal Telegraph
Ludington, Mich Mackinac Island, Mich.	WLD WHQ	300, 600 600	PG PG	(2) (3)	Marconi Co. Marconi Co.
Malabang, Mindanao Isld., P. I.	WVT	600, 1200	PG	7 a. m. to 7.30 p. m.	Insular Govt., Philippine Islds.
Manila, P. I	WVU WMX	600 300, 600	O PG	(4)	U. S. Army. Marconi Co.
Manitowoc, Wis Mare Island, Cal Marshall, Cal. See	WMW NPH	300, 600	PG O	N N	Marconi Co. U. S. Navy.
Bolinas, Cal. Marshfield, Oreg	KPX	300, 600	PG	8 a. m. to 6 p. m.	Marconi Co.
Miami, Fla Milwaukee, Wis	WST WME	300, 550, <i>600</i> 300, <i>600</i>	PG PG	N (6)	Marconi Co. Marconi Co.
Mobile, Ala	WMB	300, 600	{PG PR	} (7)	Marconi Co.
Mount Vernon, Ohio. Naknek, Alaska	WQV KHT	500	P	, x	Bunyan J. Hyatt. Marconi Co.

¹⁹ a. m. to 9 p. m. during season of navigation only.

112.30 a. m. to 6 a. m.; 7.30 a. m. to 11.30 a. m.; 1 p. m. to 5.30 p. m.; 7.30 p. m. to 11.30 p. m., when lake is open to navigation.

18 a. m. to noon; 2 p. m. to 5 p. m.; 8 p. m. to 9 p. m.

18 a. m. to noon; 2 p. m. to 5 p. m.; 8 p. m. to 9 p. m.

18 a. m. to 11 a. m.; 2 p. m. to 5 p. m.; 7 p. m. to 9 p. m.

13 a. m. to 11.30 a. m.; 2 30 p. m. to 6 p. m.; 7.30 p. m. to 9 p. m.

13 a. m. to 11.30 a. m.; 2 3.0 p. m. to 6 p. m.; 7.30 p. m. to 9 p. m.

13 a. m. to 7 a. m.; 8 a. m. to noon; 1 p. m. to 6 p. m.; 8 p. m. to 12.30 a. m.

17 For general public service, 7.10 a. m. to 7.30 a. m.; 7.40 a. m. to 8.30 a. m.; 14.40 a. m. to 12.000;

2.10 p. m. to 2.30 p. m.; 2.40 p. m. to 3 p. m.; 3.10 p. m. to 3.30 p. m.; 3.40 p. m. to 4.10 p. m.; 4.10 p. m. to 4.30 p. m.; 4.40 p. m.; 5 p. m.; 5.10 p. m. to 5.30 p. m.; 5.40 p. m. to 6 p. m. For limited public service, 7 a. m. to 7.10 a. m.; 7.30 a. m. to 7.40 a. m.; 8 a. m. to 8.10 a. m.; 8.30 a. m.; 10.40 a. m.; 10.10 a. m.; 10.10 a. m.; 10.30 a. m. to 10.40 a. m.; 11.40 a. m.; 11.30 a. m.; 11.30 a. m.; 10.10 a. m.; 10.30 a. m.; 10.30 p. m.; 2.30 p. m.; 2.40 p. m.; 5 p. m. to 5.10 p. m.; 5.30 p. m.; 5.30 p. m. to 5.40 p. m.; 6 p. m.; 5.30 p. m. to 5.40 p. m.; 6 p. m. to 6.10 p. m.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS-Continued.

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
Naknek, Alaska	KMK	300, 500, 600	P	x	Naknek Packing
Nantucket Shoals Lightship (off Newport, R. I.). New Brunswick, N. J. See Bel- mar, N. J.	NLA		0	4 a. m. to midnight.	Co. U. S. Navy.
New London, Conn New London, Conn	NRZ WLC	300 600 300, 510, 600, 1610	PG	X 8 p. m. to 4 a. m.	U. S. C. G. T. A. Scott Co. (Inc.).
New Orleans, La	NAT		0	8 a. m. to 10 p. m.	U.S. Navy.
New Orleans, La	WHK	300, 600	PG (P	7 a. m. to 11 p. m.	Marconi Co.
New Orleans, La	WNU	300, <i>600</i> , 1800 1850	$\left\{egin{array}{l} \mathbf{PR} \\ \mathbf{PG} \end{array}\right\}$		Tropical Radio Telegraph Co.
Newport, R. I Newport, R. I	NAF WCI	300, 550, 600	O PG	N 7 p. m. to 5 a. m.	U. S. Navy. Nat. Elec. Signal- ing Co.
Newton, Mass	WLN	300, <i>600</i> , 1650, 2000	P	X	Ralph C. Emery.
New York, N. Y New York, N. Y New York, N. Y New York, N. Y	NAH WHB WHI WNT	300, 600, 1610 300, 600 300, 600	O PG PG PG	N N N (²)	U. S. Navy. N. Y. Herald Co. Marconi Co. Atlantic Communi-
Nome, Alaska	WVG	600, 2000	PG	9 a. m. to	cation Co. U. S. Army.
Norfolk, Va	NAM NPE	600	O PG	9 p. m. N N	U. S. Navy. U. S. Navy.
Nulato, Alaska Nushagak, Alaska Nushagak, Alaska	WVH KHF KMG	2000 300, 600	0 	X	U. S. Army. Marconi Co. North Alaska Sal- mon Co.
Oakland, Cal	KGI NPT WRG NPP NAS WVI	300, 500, <i>600</i> 300, 450, <i>600</i> 600	P O PG O PG PG	X N (3) N N 9 a. m. to	Ellery W. Stone. U. S. Navy. C. A. Brown. U. S. Navy. U. S. Navy. U. S. Navy. U. S. Army.
Philadelphia, Pa	WHE	300, 600, 1650	PG	9 p. m. 9 a. m. to 5. 30 p. m.	Marconi Co.
Philadelphia, Pa Phoenix, Ariz	NAI KHQ		0	N N	U. S. Navy. Federal Telegraph Co.
Point Arguello, Cal Port Arthur, Tex Portland, Me	NPK WRU NAB	600 300, <i>600</i>	PG PG O	N (*) 8 a. m. to	U. S. Navy. Marconi Co. U. S. Navy.
Portland, Oreg	KGN	300, 600, 1700	PR	10 p. m. X	Northwestern Elec- tric Co.
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¹ This station will accept general public service in emergencies, when open.
² 9 a. m. to 5 p. m., except Sundays and holidays.
³ 8.30 a. m. to 11.30 a. m.; 1.30 p. m. to 3 p. m.; 4.30 p. m. to 6.30 p. m.; 7.30 p. m. to 10 p. m.
⁴ 6.30 a. m. to 7.30 a. m.; 9.30 a. m. to 10.30 a. m.; 2.30 p. m. to 3.30 p. m.; 4.30 p. m. to 5.30 p. m.; 7 p. m. to 8 p. m.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS-Continued.

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
Portland, Oreg Port Royal, S. C Portsmouth, N. H Puerto Princesa, Paragua, P. I.	KDP NAV NAC WVV	300, 550, 600 600, 1200	PR O O PG	X N N 7 a. m. to 6 p. m.	Charles L. Austin. U. S. Navy. U. S. Navy. Insular Govt., Philippine Islds.
Puget Sound, Wash Rialto, Cal	NPC KJR	300, 600, 1610	O PR	X	U.S. Navy. Southern Califor- nia Edison Co.
River Rouge, Mich	WDR	300 , 50 0, <i>600</i>	{PG PR	} (¹)	Marconi Co.
Roche Harbor, Wash.	KRW		·····	[·····	Tacoma & Roche Harbor Lime Co.
Sagaponack, N. Y Samoa. See Tutuila, Samoa.	WSK	300, 600	PG	x	Marconi Co.
San Diego, Cal	KSD				Federal Telegraph Co.
San Diego, Cal San Francisco, Cal	NPL KFS	600 300, 600, 3000, 3500, 3700, 3800	PG PR	N N	U. S. Navy. Federal Telegraph Co.
San Francisco, Cal. See Hillcrest.		,	,		
San Jose, Mindoro Isld., P. I.	WVY	600	PG	7 a. m. to 6.15 p. m.	Insular Govt., Philippine Islds.
San Juan, P. R San Luis Obispo, Cal. San Pedro, Cal. See East San Pedro.	NAU KDN	600 300, <i>600</i>	PG PG	6.15 p. m. N (2)	U. S. Navy. Marconi Co.
Sault Ste Marie, Mich. Savannah, Ga	WSI WSV	300, 500, 600	PG	6 a. m. to midnight.	Marconi Co. Marconi Co.
Sayville, N. Y	WSL	300, 600, 2740	PG	2 a. m. to	
Scranton, Pa	WTP		.	2 p. m.	D., L. & W. R.
Sea Gate, N. Y	WSE	300, 600	PG	N	R. Co. Marconi Co.
Seattle, Wash Seattle, Wash	KPA KPE	300, <i>600</i> 300, 525, <i>600</i>	PG PR	8 a. m. to	Marconi Co. City of Seattle (Harbor Dept.).
Siasconset, Mass	WSC NPB	300, 600	PG PG	5 p. m. N N	Marconi Co. U. S. Navy.
Sitka, Alaska South San Francisco, Cal.	KSS	600 300, 600, 3000, 3500, 5000, 8000, 10000, 12000	PR	N	Federal Telegraph Co.
South Wellfleet, Mass. St. Augustine, Fla	WCC	300, <i>600</i> , 2100 600	PG PG	N N	Marconi Co. U. S. Navy.
St. George, Pribilof Islds., Alaska.	NPY		. 0	x	U. S. Navy.
St. Paul, Pribilof Islds., Alaska.	NPQ	600	PG	N	U. S. Navy.
St. Petersburg, Fla Tampa, Fla		300, 450, <i>600</i> 300, <i>600</i>	PR PG	(8) 7 a. m. to	C. C. Brown. Marconi Co.
Tatoosh, Wash Teller, Alaska	NPD KWT	600	PG PR	10 p. m. N	U. S. Navy. Max R. Hirsch- berg.

 $^{^1}$ 7 a. m. to 11.30 a. m.; 12.30 p. m. to 6 p. m.; 7 p. m. to 11 p. m.; 12 midnight to 6 p. m. 2 8.30 a. m. to noon; 1.30 p. m. to 5 p. m.; 7.30 p. m. to 10 p. m. 3 8.30 a. m. to 11.30 a. m.; 1.30 p. m. to 3 p. m.; 4.30 p. m. to 6.30 p. m.; 7.30 p. m. to 10 p. m.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
Tolovana, Alaska	KIZ	300, 600			Alaska Wireless Telegraph Co.
Tuckerton, N. J Tutuila, Samoa Ugaguk, Alaska. See Egegak, Alaska.	WGG NPU	600	PG		U. S. Navy.
Ugashik, Alaska	KMU	300, 500, 600	P	x	Red Salmon Can- ning Co.
Underwood, Wash	KGO		PR		Northwestern Elec.
Victor, Colo	KIW	600	PR	(1)	Ajax Gold Mining
Virginia Beach, Va Wahiawa, T. H	WSY KHK	300, 550, <i>600</i> 300, <i>600</i>	PG	N	Marconi Co. Mutual Telephone
Washington, D. C.	NAL		0	N	Co. (Ltd.). U. S. Navy.
(Navy Yard). Washington, D. C. (U. S. Capitol).	NZY	250, 650, 1000	0	X	Supt. U. S. Capi- tol Building and
Washington, D. C. (Army Signal Corps	WUP		0		Grounds. U. S. Army.
Laboratory). Washington, D. C. (Bureau of Stand-	WUQ		0		U. S. Army.
ards). Wrangell, Alaska	WVJ	300, 600	PG	9 a. m. to	U. S. Army.
Yerba Buena, Cal Zamboanga, Minda- nao Isld., P. I.	NPG WVW	600, 1200	O PG	9 p. m. N 7 a. m. to 7.30 p. m.	U. S. Navy. Insular Govt.,Phil- ippine Islds.

¹⁹ a. m. to 11.30 a. m.; 7.30 p. m. to 11 p. m.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS.

[This list includes stations on Government vessels, merchant vessels, and yachts.]

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Abangarez	KDI	300, 600	PG	Abangarez S. S. Corp	Tropical Ra- dio Tele- graph Co.
Abarenda	NOB	600	PG	Government	U.S. Navy.
Achilles	KPT	300, 600			
Acushnet	NRU	300	PG	Government	U. S. C. G.
Adeline Smith	WHS	300, 600	PG	Inter-Ocean Transp. Co.	Marconi Co.
Admiral Dewey	WAY	300, 600	PG	Pacific-Alaska Nav. Co	Vessel owner.
Admiral Evans	WAB	300,600	PG	Alaska-Pacific S. S. Co	Marconi Co.
Admiral Farragut.	WAF	300, 600	PG	Pacific-Alaska Nav. Co	Vessel owner.
Admiral Schley	WAZ	300, 600	PG	do	Vessel owner.
Admiral Watson	WAW	300, 600	PG	do	Marconi Co.
Advance	KMV	300,600	PG	Panama R. R. Co	Vessel owner.
Ajax	NBH	300, 600	PG	Government	U.S. Navy.
Alabama	WFB	300, 600	PG	Goodrich Transit Co	Marconi Co.
Alabama	KUN	300, 600	PG	The Texas Co	Marconi Co.

2457°—15——2

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Alabama	NBI	300, 600	PG	Government	U. S. Navy.
Alameda	WAA	300,600	PG	Alaska S. S. Co	Vessel owner.
Alamo	KEJ	300,600	PG	Mallory S. S. Co	Marconi Co.
Alaskan	WKA	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner.
Albany	NBJ	300, 600	PG	Government	U. S. Navy.
Albatross	NQY	300, <i>600</i>	PG	do	U. S. Navy.
Alberta	KZA	300, 600	PG	F. G. Bourne	Marconi Co.
Alert	NBL	300, 600	PG	Government	U. S. Navy.
Algonquin	KVG	300, 600	PG	Clyde S. S. Co	Marconi Co.
Algonquin	NRA	300, 600	PG	Government	U. S. C. G.
Al-Ki	WNK	300, 600	PG	Border Line Transp. Co.	Marconi Co.
Alliança	KMA	300, 450, 600	PG	Panama R. R. Co	Vessel owner.
Alliance	WRV	300, 600	PG	North Pacific S. S. Co	Marconi Co.
Almirante	KLD	300, 600	PG	Almirante S. S. Corp	Tropical Ra
Aloha	KYH	300, 600	PG	Arthur Curtiss James	graph Co. Marconi Co.
Alvina	WEY			Thomas F. Cole	
American	WKF	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner.
Ammen	NBP	300, 600	PG	Government	U.S. Navy.
Amphitrite	NHG	300, 600		do	· ·
Ancon	KMS	300, 450, 500, 600	PG	Panama R. R. Co	Vessel owner.
Androscoggin	NRD	300, 600	PG	Government	U. S. C. G.
Annapolis	NBR	300, 600	PĞ	do	U. S. Navy.
Ann Arbor No. 3	WDN	300,600	PĞ	Ann Arbor R. R. Co	Marconi Co.
Ann Arbor No. 4	WDO	300,600	PĞ	do	Marconi Co.
Ann Arbor No. 5	WDP	300,600	PG	do	Marconi Co.
Antilla	KWD	300, 600	PG	New York & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Antilles	KKA	300, 600	PG	Southern Pacific Co	Marconi Co.
Apache	KVA	300, 600	PĞ	Clyde S. S. Co	Marconi Co.
Apache	NRP	300, 600	PĞ	Government	U. S. C. G.
Arapahoe	KVB	300, 600	PĞ	Clyde S. S. Co	Marconi Co.
Ardmore	KIA	300,600		Standard Oil Co. of N. J.	
Arethusa	NBU	600	PG	Government	U. S. Navy.
Argyll	WTB			Union S. S. Co. (Union Oil Co.).	•
Arizona	WFG	300, 600	PG	Goodrich Transit Co	Marconi Co.
Arizonan	WKB	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner
Arkansas	NBV	300, 600	PG	Government	U.S. Navy.
Aroline	WRJ	300, 600	PG	Aroline S. S. Co	Marconi Co.
Ashtabula	WEZ	300, 600	PG	Pennsylvania & Ontario Nav. Co.	Marconi Co.
Astral	KSA	300, 600	PG	Standard Transportation Co.	Marconi Co.
Asuncion	WTX	300, 600	PG	Standard Oil Co. of Cal	Marconi Co.
Atalanta	KYA KDK	200 600	PG	George J. Gould Atenas S. S. Corp	Tropical Ra
Atenas	KDK	300, 600	I T G	Attenas S. S. Corp	
			1		dio Tele graph Co.
Atlanta	KGR	300, 600		Cuba Improvement & S. S. Co.	увърп ⊖о.
Atlantic	KIK	300, 600	PG	New York Interocean & Coastwise S. S. Co.	Marconi Co.
	WTT	300, 600	PG	Standard Oil Co. of Cal.	Marconi Co.
Atlas					

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Aztec	WWQ	300, 600	PG	Pacific Mail S. S. Co	Marconi Co.
Bache	NLK	300,400, 600	0	Government	U. S. Dept. of Commerce.
Bailey	NCF	300,600	PG	do	U. S. Navy.
Bainbridge	NIA	300,600	PG	do	U. S. Navy.
Balboa	WHU	300,600	PG	American-Mexican S. S. & Trading Co.	Marconi Co.
Balch	NII	300,600	PG	Government	U. S. Navy.
Baltimore	NCH	300,600	PG	do	U. S. Navy.
Bantu	KLM	300, 600	PG	U. S. Steel Products Co.	Marconi Co.
Baton Rouge	KSG	300,600	PG	Standard Oil Co. of N. J.	Vessel owner.
Bay State	KRE	300,600	PG	Eastern S. S. Corp	Marconi Co.
Bayway	NCL	300,600	PG PG	Standard Oil Co. of N. J. Government	Vessel owner.
Beale	NRB	300, 600	PG		U. S. Navy.
Bear	WWD	300,600	PG	San Francisco & Port-	U. S. C. G. Marconi Co.
				land S. S. Co.	
Beaver	WWB	300, 600	PG	do	Marconi Co.
Belfast	KRD	300,600	PG	Eastern S. S. Corp	Marconi Co.
Benham	NIJ	300,600	PG	Government	U. S. Navy.
Berkshire	KQB	300,600	PG	Merchants & Miners Transp. Co.	
Berlin	WRB	300, 600	PG	Alaska-Portland Pack- ers' Assn.	Marconi Co.
Beverly	KND	300,600	PG	Colonial Nav. Co	Nat.Elec. Sig-
D	STOST	000 000	TOG		naling Co.
Birmingham	NCN	300,600	PG	Government	U. S. Navy.
Boston	KXA	300, 450, 500, 550, 600	PG	New England S. S. Co	Nat.Elec. Sig- naling Co.
Brabant	KUU	300,600	PG	The Texas Co	Marconi Co.
Bradford	KNG	300,600		Standard Oil Co. of N. J.	35 . 0
Brazos	KEZ WBK	300, 600	PG	Mallory S. S. Co	Marconi Co.
Breakwater Brilliant	KTI	300, 600	PG PG	Southern Pacific Co Standard Transporta- tion Co.	Marconi Co. Marconi Co.
Brindilla	KTZ	300,600		Standard Oil Co. of N. J.	
Brockton	KNH	300,600	PG	Colonial Nav. Co	Nat.Elec. Sig-
Recolulien	NFA	200 600	PG	Government	naling Co.
BrooklynBrunswick	KOS	300,600	PG	Gulf & Southern S. S. Co.	U. S. Navy. Marconi Co.
Brutus	NNA	300,600	PG	Government	U. S. Navy.
Buenaventura	KWA	300,600	PG	U. S. Steel Products Co.	Marconi Co.
Buffalo	NCU	300,600	PG	Government	U. S. Navy.
Buford	WXA	600	PG	do	U. S. Army.
Bunker Hill	KJB	300, 600	PG	Eastern S. S. Corp	Marconi Co.
Burnside	WXR	600	0	Government	U. S. Army.
Burrows	NCV	300,600	PG	do	U. S. Navy.
Cabrillo	WBV	300, 500, 600	PG	Wilmington Transp. Co.	Marconi Co.
C. A. Canfield	WIH	300, 600		Petroleum Transp. Co	Marconi Co.
Cacique	WBE	300,600		W. R. Grace & Co	
Caddo	KSK	300,600	PG	Standard Oil Co. of N. J.	Vessel owner.
Caesar	NCY	300, 600	PG	Government	U. S. Navy.
Calamares	KLC	300, 600	PG	Calamares S. S. Corp	Tropical Radio Telegraph Co.
California	KYQ	300,600	PG	Mrs. Clara B. Stocker	S. Pr.
California	NCZ	300,600	PG	Government	U. S. Navy.
California	WOR	300,600	PG	John A. Hooper	Marconi Co.
Californian	WKC	300,600	PG	American-Hawaiian S.S.	Vessel owner.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
CaloriaCalvin Austin	KSP KRN KWI	300, 600 300, 600 300, 600	PG PG PG	Standard Oil Co. of N. J. Eastern S. S. Corp New York & Cuba Mail	Marconi Co. Marconi Co. Marconi Co.
Camden	KRC WQC	300, 600 300, 600	PG PG	S. S. Co. (Ward Line). Eastern S. S. Corp Western Steam Nav. Co.	Marconi Co. Marconi Co.
Cape Cod Captain A. F. Lucas.	KPW WTV	300, 600	PG	George R. West Standard Oil Co. of Cal.	Marconi Co.
Captain A. M. Wetherill.	WYT	300	0	Government	U. S. Army.
Captain Barrett Captain Chas. W. Rowell.	WYP WYI	· 300	0	dodo	U. S. Army. U. S. Army.
Captain James Fornance.	WYM	300	0	do	U. S. Army.
Captain T. M. Morrison.	WYZ	1200	0	do	U. S. Army.
Caracas	KDB	300, 600	PG	Atlantic & Carribean Steam Nav. Co. (Red D Line).	Marconi Co.
Carlos	WNC	300, 600	PG	Olson & Mahony S. S.	•
Carolina	WFE KGB	300, <i>600</i> 300, <i>600</i>	PG PG	Goodrich Transit Co New York & Porto Rico S. S. Co.	Marconi Co. Marconi Co.
Carrillo	KDE	300, 600	PG	Carrillo S. S. Corp	Tropical Ra- dio Tele-
Cartago	KDD	300, 600	PG	Cartago S. S. Corp	graph Co. Tropical Ra- dio Tele- graph Co.
Cassandra	KYE NIK	300, 600	PG	John J. Doyle	U. S. Navy.
CastineCelilo	NDA WMF	300, <i>600</i> 300, <i>600</i>	PG PG	Charles R. McCormick	U. S. Navy. Marconi Co.
Celtic Centralia	NDB WSN	300, 600 300, 600	PG PG	& Co. (Inc.). Government Centralia Co	U. S. Navy. Marconi Co.
Chalmette Charles E. Har-	KKC WID	300, 600 300, 600	PG	Southern Pacific Co Petroleum Transp. Co	Marconi Co.
wood. Charleston Charlton Hall Chattanooga	NFE KLU NGI	300, 600 300, 600 300, 600	PG PG PG	GovernmentU. S. Steel Products Co. Government.	U. S. Navy. Marconi Co. U. S. Navy.
Chester W. Chapin	KVK NDG KXQ	300, 600 600 300, 450, 500, 550,	PG PG PG	Clyde S. S. Co	Marconi Co. U. S. Navy. Nat. Elec. Sig- naling Co.
Cheyenne Chicago	NDH WAC	300, 600 300, 600	PG PG	Government	U. S. Navy. Vessel owner.
Chicago	WFI NDI	300, 600 300, 600	PG PG	Goodrich Transit Co Government	Marconi Co. U. S. Navy.
Christopher Co- lumbus.	WWA WFJ	300, <i>600</i> 300, <i>600</i>	PG PG	Pacific Mail S. S. Co Goodrich Transit Co	Marconi Co. Marconi Co.
Cincinnati	NDL WEH	300, <i>600</i> 300, <i>600</i>	PG PG	Government Detroit & Cleveland	U. S. Navy. Marconi Co.
City of Atlanta	KFB	300, 600	PG	Nav. Co. Ocean S. S. Co. (Savan- nah Line).	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

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Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by
City of Augusta	KFJ	300, 600	PG	Ocean S. S. Co. (Savan- nah Line).	Marconi Co.
City of Bangor City of Benton	KRH WDV	300, <i>600</i> 300, <i>600</i>	PG PG	Eastern S. S. Co Graham & Morton Transp. Co.	Marconi Co. Marconi Co.
Harbor. City of Buffalo	WFQ	300, 600	PG	Cleveland & Buffalo Transit Co.	Marconi Co.
City of Cleveland III.	WEA	300, 600	PG	Detroit & Cleveland Nav. Co.	Marconi Co.
City of Columbus.	KFA	300, 600	PG	Ocean S. S. Co. (Savan- nah Line.)	Marconi Co.
City of Detroit II.	WEC	300, 600	PG	Detroit & Cleveland Nav. Co.	
City of Detroit III. City of Erie	WEF WFP	300, <i>600</i> 300, <i>600</i>	PG PG	Cleveland & Buffalo Transit Co.	Marconi Co. Marconi Co.
City of Everett	KTQ	300, 600	PG	Standard Oil Co. of N.	Vessel owner.
City of Grand Rapids.	WDS	3 00 , <i>600</i>	PG	Graham & Morton Transp. Co.	Marconi Co.
City of Lowell	KXB	300, 450, 500, 550, 600	PG	New England S. S. Co	Nat. Elec. Sig- naling Co.
City of Mackinac	WEB	300, 600	PG	Detroit & Cleveland Nav. Co.	
City of Macon	KFC	300, 600	PG	Ocean S. S. Co. (Savan- nah Line).	Marconi Co.
City of Memphis City of Montgomery.	KFD KFY	300, <i>600</i> 300, <i>600</i>	PG PG	do	Marconi Co. Marconi Co.
City of Para City of Puebla	WWF WGQ	300, <i>600</i> 300, <i>600</i>	PG PG	Pacific Mail S. S. Co Pacific Coast Co	Marconi Co. Marconi Co.
City of Rockland City of St. Ignace.	KRI WEG	300, <i>600</i> 300, <i>600</i>	PG PG	Eastern S. S. Corp Detroit & Cleveland Nav. Co.	Marconi Co.
City of St. Joseph.	WDT	300, 600	PG	Graham & Morton Transp. Co.	Marconi Co.
City of St. Louis	KFX	300,600	PG	Ocean S. S. Co. (Savan- nah Line).	Marconi Co.
City of Savannah City of Seattle City of South Ha-	KFK WGA WDI	300, 600 300, 600 300, 600	PG PG PG	Pacific Coast Co Chicago & South Haven S. S. Co.	Marconi Co. Marconi Co. Marconi Co.
ven. City of Sydney City of Taunton	WWG KXL	300, 600 300, 450, 500, 550, 600	PG PG	Pacific Mail S. S. Co New England S. S. Co	Nat. Elec. Sig- naling Co.
City of Topeka Cleveland Coalinga	WGY NDM WOT	300, 600 300, 600 300, 600	PG PG PG	Pacific Coast Co	Marconi Co. U. S. Navy. Federal Tele-
Coamo	KGA	300, 600	PG	Oil Co.). New York & Porto Rico	graph Co. Marconi Co.
Col. E. L. Drake Col. Geo. Armis- tead.	WTS WYG	300, <i>600</i> 600	PG O	S. S. Co. Standard Oil Co Government	Marconi Co. U. S. Army.
Colon	KMX	300, 450, 600	PG	Panama R. R. Co	Vessel owner.
Colon	wно	300,600	PG	American-Mexican S. S. & Trading Co.	Marconi Co.
Colorado	KEA	300,600	PG	Mallory S. S. Co	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Colorado	NDN	300,600	PG	Government	U. S. Navy.
Columbia	KRO			Chesapeake S. S. Co	1
Columbia	KYM	300, 550	P	J. Harvey Ladew	Vessel owner.
Columbia	NGA	300,600	PG	Government	U. S. Navy.
Columbia	WHC	300,600	PG	J. H. Wilson	Marconi Co.
Columbian	WKS	300, 600	PG	American-Hawaiian S.S. Co.	Vessel owner.
Columbine	NLL	600, 750, 1000	0	Government	U. S. Dept. of Commerce.
Colusa	WIN	300, <i>600</i>	PG	W. R. Grace & Co	Marconi Co.
Comal	KEM	300,600	PG	Mallory S. S. Co	Marconi Co.
Comanche	KVC	300,600	PG	Clyde S. S. Co	Marconi Co.
Comet	KTJ	300, 600	PG	Standard Transporta- tion Co.	Marconi Co.
Commonwealth	KXC	300, 550, 600	PG	New England S. S. Co	Nat. Elec. Sig- naling Co.
Communipaw	KOE	300, 600		Standard Oil Co. of N. J.	
Comus	KKD	300, 600	PG	Southern Pacific Co	Marconi Co.
Concho	\mathbf{KEC}	300,600	PG	Mallory S. S. Co	Marconi Co.
Concord	KNC	300, 450, 500, 550,	PG	Colonial Nav. Co	Nat. Elec. Sig- naling Co.
		600			
Congress	WGT	300,600	PG	Pacific Coast Co	Marconi Co.
Connecticut	NDQ	300,600	PĞ	Government	U. S. Navy.
Coppename	KDF	300, 600	PĞ	Coppename S. S. Corp	Tropical Ra- dio Tele-
Cordova	WAR	300, 600		Alaska S. S. Co	graph Co.
Corning	KIH	300,600		Standard Oil Co. of N.J	g r
Coronado	WSO	300,600	PG	Coronado Co	Marconi Co.
Corsair	KŸČ		1	J. P. Morgan estate	
Corwin	WNN	300,600	P	The Corwin Co	Vessel owner.
Costa Rica	WQI	300,600	PG	Bristol Bay Packing Co.	Vessel owner.
Craster Hall	KLK	300,600	PĞ	U. S. Steel Products Co.	Marconi Co.
Creole	KKR	300, 600	PĞ	Southern Pacific Co	Marconi Co.
Cretan	KQC	300, 600	PĞ	Merchants & Miners'	Marconi Co.
Cristobal	KMD	300, 450, 600	PG	Transp. Co. Panama R. R. Co	Vessel owner.
Crofton Hall	KLR	300,600	PG	U.S. Steel Products Co	Marconi Co.
Crook	WXB	600	PG	Government	U. S. Army.
Culgoa	NDU	300, 600	PG	do	U.S. Navy.
Cummings	NIL	300,600	PG	do	U.S. Navy.
Currier	KNU	300, 600	PG	Cuba Distilling Co	Marconi Co.
Cushing	\mathbf{KSC}	300, 600		Standard Oil Co. of N. J.	
Cushing	NIM	300, 600	PG	Government	U.S. Navy.
Cyclops	NDY	300,600	PG	do	U.S. Navy.
Cypress	NLM	600, 750, 1000	0	do	U.S. Dept. of Commerce.
Cyprus	KYD	300,600	PG	Daniel C. Jackling	Marconi Co.
Dacia	KGD	300,600	PĞ	Edward N. Breitung	Marconi Co.
Dakotan	WKD	300, 600	PĞ	American-Hawaiian S.S.	
Dayton	KNP	300, 600	1	Co. Standard Oil Co. of N. J.]
Decatur	NJC	300,600	PG	Government	U. S. Navy.
Delaware	NEK		PĞ	do	U. S. Navy.
Delaware Sun	KTW	300,600	PG	Sun Co	Marconi Co.
	NEM	300, 600	PG	Government	Marconi Co.
Denver Des Moines	NEN		PG	do	U. S. Navy.
	TATEL	300,600	ı ı u		U. D. Navy.
	KNI	300 600	1	Standard Oil Co. of N. I.	1
De Soto Despatch	KNI WOA	300, <i>600</i> 300, <i>600</i>	PG	Standard Oil Co. of N. J. Border Line Transp.Co	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv-ice.	Owner of vessel (line).	Station controlled
Dix	wxc	600	PG	Government	U. S. Army.
Dixie	NEP	300, 600	PĞ	do	U. S. Navy.
Dolphin	WAU	300, 600	PĞ	Alaska S. S. Co	Vessel owner.
Dolphin	NEQ	300, 600	PĞ	Government	U. S. Navy.
Dora	WAH	300, 600	ļ	Alaska S. S. Co.	C. D. Mavy.
Dorchester	KQD	300, 600	PG	Merchants & Miners	Marconi Co.
Dorothy Bradford.	KNA	300, 600	PR	Transp. Co. Cape Cod S. S. Co., trustees.	Vessel owner.
Downes	NIN	300, 600	PG	Government	U. S. Navy.
Drayton	NET	300, 600	PĞ	do	U. S. Navy.
Dubuque	NEU	300, 600		do	o. S. Mavy.
Duncan	NIR	300,600	PG	do	U. S. Navy.
E-1	NXS	300,600	PĞ	do	U. S. Navy.
E-2	NXT	300, 600	PĞ	do	U. S. Navy.
Eagle	NFC	300, 600	PĞ	do	U. S. Navy.
Eastern States	WEE		PG	Detroit & Cleveland	Marconi Co.
		300, 600	ŀ	Nav. Co.	
Eastland	WFN	300, 600	PG	St. Joseph-Chicago S. S. Co.	Marconi Co.
Edith	WAE	300, 600	PG	Alaska S. S. Co	Vessel owner.
Edward L. Do- heny.	WIE	300, 600	PG	Petroleum Transp. Co	Marconi Co.
El Alba	$\mathbf{K}\mathbf{K}\mathbf{L}$	3 00 , <i>600</i>	PG	Southern Pacific Co	Marconi Co.
Elcano	NFD	300, 600	PG	Government	U. S. Navy.
El Cid	KKT	300, 600	PG	Southern Pacific Co	Marconi Co.
El Dia	KKY	300, 600	PG	do	Marconi Co.
Elmer A. Keeler	KVU			Elmer A. Keeler	
El Mundo	KKU	300, 600	PG	Southern Pacific Co	Marconi Co.
El Norte	KKN	300, 600	PG	do	Marconi Co.
El Occidente	KKX	300, 600	PG	do	Marconi Co.
El Oriente	KKV	300, 600	PG	l do	Marconi Co.
El Rio	$\mathbf{K}\mathbf{K}\mathbf{Z}$	300, 600	PG	do	Marconi Co.
El Segundo	WTQ	300, 600	PG	Standard Oil Co. of Cal	Marconi Co.
El Siglo	KKS	300, 600	PG	Southern Pacific Co	Marconi Co.
El Sol	KKB	300, 600	PG	do	Marconi Co.
El Sud	KKQ	300, 600	PG	do	Marconi Co.
El Valle	·KKW	300, 600	PG	do	Marconi Co.
Emeline	KZD			Robert Graves	
Enterprise	WMN	300, 600	PG	Matson Nav. Co	Marconi Co.
Eocene	KTM	300, 600	! PG	Standard Oil Co. of N. Y.	Vessel owner.
Erskine M.Phelps.	WTA			William D. Sewall (Union Oil Co.).	Marconi Co.
E. R. Sterling	WIS	300, 450, 600	P	Sterling Ship Co	Vessel owner.
Esparta	KDL	300, 600			Tropical Ra- dio Tele-
Esperanza	KWZ	300, 600	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	graph Co. Marconi Co.
Essex	KQE	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Evangeline	KII	300, 600	PG	Alonzo W. Perry	Marconi Co.
Excelsior	KKO	300, 600	PĞ	Southern Pacific Co	Marconi Co.
Expansion	WOH	300, 500,	P	North Alaska Salmon Co.	Vessel owner.
Explorer	NLI	300, 600	0	Government	U. S. Dept. of Commerce.
F-1	NXU	300, 600	PG	do	U. S. Navy.
F-2	NXV	300, 600	PĞ	do	U. S. Navy.
F-3	NXW	300, 600	PG	do	U. S. Navy.
F-4	NXX	300, 600	PG	do	U. S. Navy.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
F. A. Kilburn	WRW	300, 600	PG	North Pacific S. S. Co	Marconi Co.
Fanning	NFM	300, 600	PG	Government	U. S. Navy.
Farragut	NVS	300, 600	PG	do	U. S. Navy.
Favorite	WCF	300, 600	PG	Great Lakes Towing Co	Marconi Co.
Finland	KSF	300, 600	PG	International Mercantile Marine Co. (Panama- Pacific Line).	Marconi Co.
Florence Lucken- bach.	KYF WNM	300, 600	PG	Alphonse H. Alker Edgar F. Luckenbach	Marconi Co.
Florida	KUS	300, 600	PG	The Texas Co	Marconi Co.
Florida	NFR	300, 600	PG	Government	U. S. Navy.
Flusser	NFS	300, 600	PG	do	U. S. Navy.
Francis Hanify	KRA	300, 600	PG	G. R. Hanify Co	Marconi Co.
Frank H. Buck	WTO	300, 600	PG	Associated Oil Co	Marconi Co.
Frieda	KFF	300, 600	PG	Union Sulphur Co	Marconi Co.
G-1	NXY	300, 600	PG	Government	U. S. Navy.
G-2	NXZ	300, 600	PG	do	U. S. Navy.
G-3	NYA	300, 600	PG	do	U. S. Navy.
G-4	NYB	300, 600	PG	do	U. S. Navy.
Galveston	NGD	300, 600	PG	do	U. S. Navy.
Gargoyle	KRK	300, 600		Vacuum Oil Co	
General A. M. Randol.	WYJ	300	0	Government	U. S. Army.
General E. O. C. Ord.	WYF	400, 600	0	do	U.S. Army.
General George H. Weeks.	WZT	1200	0	do	U. S. Army.
General G. W. Getty.	WYS	1200	0	do	U. S. Army.
General Harvey Brown.	WYK	300	0	do	U. S. Army.
General Henry J. Hunt.	WYD	400	0	do	U. S. Army,
General Henry Knox.	WYE	400	0	do	U. S. Army.
General J. M. Brannan.	WZV	1200	0	do	U. S. Army.
General Nathan- ael Greene.	WZR	1200	0	do	U. S. Army.
General R. B. Ayres.	WYL	300	0	do	U. S. Army.
General R. H. Jackson.	WYW	400	0	do	U. S. Army.
General Richard Arnold.	WYY	1200	0	do	U. S. Army.
General R. N. Batchelder.	WZW	1200	0	do	U. S. Army.
General Robert Anderson.	WYH	300	0	do	U. S. Army.
General Robert Swartout.	WYU	400	0	do	U. S. Army.
General Royal T. Frank. General S. B.	WYA WYV	300	0	do	U. S. Army.
Holabird. General Timothy	WZQ	400 1200	0	do	U. S. Army.
Pickering. General S. N.	WYB	300, 600	0		U. S. Army.
Mills.	WRT	300, 600	U	North Pacific S. S. Co	U. S. Army.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

			1	<u> </u>	
Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Georgia	WFA	300, 600	PG	Goodrich Transit Co	Marconi Co.
Georgia	NGF	300, 600	PG	Government	U. S. Navy.
Georgian	WKG	300, 600	PĞ	American-Hawaiian S.S.	Marconi Co.
Georgiana	KJE	300, 600		Walker, Armstrong & Co.	Marconi Co.
Glacier	NGH	600	PG	Government	U. S. Navy.
(Flenpool	кон	300, 600	PG	Standard Oil Co. of N. J.	Vessel owner.
Gloucester	KQG	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Gloucester	NSL	300, 600		Government	
Goldsborough	NGJ	300 , <i>600</i>	PG	do	U.S. Navy.
Goliah	WPG	300, 600	PG	Puget Sound Tug Boat Co.	Vessel owner.
Governor	\mathbf{WGR}	300 , <i>600</i>	PG	Pacific Coast Co	Marconi Co.
Governor Cobb	KRB	300, 600	PG	Eastern S. S. Corp	Marconi Co.
Governor Dingley.	KRV	300, 600	PG	do	Marconi Co.
Grace Dollar	WSF	300, 600	PG	Grace Dollar S. S. Co	Marconi Co.
Great Northern	WIR	300, 600	PG	Great Northern Pacific S. S. Co.	Marconi Co.
Grecian	KQR	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Gresham	NRG	300, <i>600</i> 750	PG	Government	U. S. C. G.
Guantanamo	KWN	300, 600	PG	New York & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Guardian	WGZ	300, 600	PG	Central & South American Telegraph Co.	Vessel owner.
Gulfcoast	KUE	300, 600	PG	Gulf Refining Co	Marconi Co.
Gulflight	KUA	300, 600	PĞ	do	Marconi Co.
Gulfoil	KTG	300, 600	PĞ	do	Marconi Co.
Gulfstream	KTB	300, 600	PĞ	do	Marconi Co.
<u>Н</u> -1	NYC	300, 600	PĞ	Government	U. S. Navy.
<u>H</u> -2	NYD	300, 600	PĞ	do	U. S. Navy.
<u>H</u> -3	NÝE	300, 600	PĞ	do	U. S. Navy.
Hamilton	KOA	300, 600	PĞ	Old Dominion S. S. Co	Marconi Co.
Hancock	NHI	300, 600	PĞ	Government	U. S. Navy.
Hannibal	NGU	300, 600	PĞ	do	U. S. Navy.
Harvard	WRH	300,600	PĞ	Metropolitan S. S. Co.	Federal Tele-
Hai vaid	WILL	300,000	10	(Pacific Steam Nav.	graph Co.
Harvester. (See				50.).	
The Harvester. Hattie Lucken-	WNF	300, 600	PG	Edgar F. Luckenbach	Marconi Co.
bach. Havana	кwн	300, 600	PG	N. Y. & Cuba Mail S. S.	Marconi Co.
Hawaiian	wku	300, 600	PG	Co. (Ward Line). American-Hawaiian S.S.	Vessel owner.
Палани	MOT	000 000	Pa	Co.	TT G N
Hector		300,600	PG	Government	U. S. Navy.
Helena	NGY	300, 600	PG	do	U. S. Navy.
Henley	NHA	300, 600	LG.	do	U. S. Navy.
Henry M. Flagler.	KOX	300,600	PG	Florida East Coast Ry	Marconi Co.
Henry T. Scott.	WRA	300,600	PG	California S. S. Co	Marconi Co.
Henry Wilson	WZS	1200	0	Government	U.S. Army.
Herbert G. Wylie.	WIF	300,600	PC	Petroleum Transport Co.	
Heredia	KDH	300, 600	PG	Heredia S. S. Corp	Tropical Radio Tele-
Herman Frasch	KFH	300, 600	PG	Union Sulphur Co	graph Co. Atlantic Com-
			ļ		munication Co.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Hermosa	WBP	300, 500, 600	PR	Wilmington Transp. Co	
Hilonian Holland	$\begin{array}{c} \text{WMM} \\ \text{WDW} \end{array}$	300, 600 300, 600	PG PG	Matson Nav. Co Graham & Morton	Marconi Co. Marconi Co.
Honolulan	WKH	300, 600	PG	Transp. Co. American-Hawaiian S.S. Co.	Marconi Co.
Hopkins Howard	NHC KQH	300, 600 300, 600	PG PG	Government Merchants & Miners	U. S. Navy. Marconi Co.
Howick Hall	KLT	300, 600	PG	Transp. Co. U. S. Steel Products Co	Marconi Co.
Hull	NHE	300, 600	PG	Government	U. S. Navy.
Humboldt	WHX	300, 600	PG	Humboldt S. S. Co	Marconi Co.
Huron	KVH	300, 600	PG	Clyde S. S. Co	Marconi Co.
Hyades	WMK	300, 600	PG PG	Matson Nav. Co	Marconi Co.
IaquaI. D. Fletcher	WLI KFI	300, 600	PG	John A. McGregor Coast Transit Co	Marconi Co.
Illinois	WCZ	300, 600	PG	Northern Michigan	Marconi Co.
Illinois	KTH	300, 600	PG	Transp. Co. Texas S. S. Co	Marconi Co.
Illinois	NHO	300, 600	PG	Government	U. S. Navy.
Indian	KQI	300, 600	PG	Merchants & Miners Transp. Co.	o. s. mavy.
Indiana	WFC	300, 600	PG	Goodrich Transit Co	Marconi Co.
Indiana	NHQ	300, 600	PG	Government	U. S. Navy.
Iowa	NHT	600	PG	do	U. S. Navy.
Iowan	WKJ	300, 600	PG	American-Hawaiian S.S.	Vessel owner.
Iris	NHU	300, 600	PG	Government	U. S. Navy.
Iroquois	KVF	300, 600	PG	Clyde S. S. Co	Marconi Co.
Iroquois	NHV	300, 600	PG	Government	U. S. Navy.
Isla de Luzon	NQJ	300, 600		do	
Isthmian	WKI	300, 600	PG	American-Hawaiian S.S.	Vessel owner.
Itasca	NRI	300, 600	PG	Government	U. S. C. G.
J. A. Chanslor	WTK	300, 600	PG	Associated Oil Co	Marconi Co.
Jamestown	KOC	300, 600	PG	Old Dominion S. S. Co	Marconi Co.
J. A. Moffett	WRE	300, 600	PG	Standard Oil Co. of Cal	Marconi Co.
Jarvis	NIB	300, 600	PG	Government	U. S. Navy.
Jason J. B. Stetson	$\frac{\mathrm{NNB}}{\mathrm{WRC}}$	300, <i>600</i> 300, <i>600</i>	PG PG	Hicks-Hauptman Nav.	U. S. Navy.
T - CC	VOD	200 200	Da	Co.	Manage : C
Jefferson	KOD	300, 600	PG	Old Dominion S. S. Co Alaska S. S. Co	Marconi Co.
Jefferson	WAJ	300, 600	PG		Vessel owner.
Jenkins Jim Butler	NID	300, 600	PG PG	Government	U. S. Navy. Marconi Co.
J. L. Luckenbach.	$\frac{\text{WIL}}{\text{KGT}}$	300, 600	PG	Edgar F. Luckenbach.	Marconi Co.
J. M. Guffey	KTF	300, 600	PG	Gulf Refining Co	Marconi Co.
John A. Hooper	WSJ	300, 600	PG	Sudden & Christensen (Inc.).	Marconi Co.
John D. Archbold.	KTK	300, 600	PG	Standard Oil Co. of N. J.	Marconi Co.
John D. Rockefel- ler.	KTO	300, 600	PG	do	Marconi Co.
Joseph Henry	WXT	600	0	Government	U. S. Army.
Jouett	NIE	300, 600	PG	do	U. S. Navy.
Juniata	KQJ	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Juniata	WCB	300, 600	PG	Erie & Western Transp. Co. (Anchor Line).	Marconi Co.
Jupiter	NNC	300, 600	PG PG	Governmentdo.	U. S. Navy. U. S. Navy.
Justin	NNJ	300,600	IU	dO	U. D. Ivavy.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

				1	
Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
K-1	NYF	300, 600	PG	Government	U. S. Navy.
	NYG		PĞ		U. S. Navy.
K-2		300,600		do	U. S. Navy.
K-3	NYH	300, 600	PG	do	U. S. Navy.
K-4	NYI	300, <i>600</i>	PG	do	U. S. Navy.
K-5	NYJ	300, 600	PG	do	U. S. Navy.
K-6	NYK	300, 600	PG	do	U. S. Navy.
K-7	NYL	300, 600	PĞ	do	U. S. Navy.
K-8			PĞ	do	
	NYM	300,600		do	U. S. Navy.
Kansan	WKK	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner.
Kansas	NIO	300, 600	PG	Government	U. S. Navy.
Karina	KYR	550,500	- ~	Theodore P. Burgess	0.0.1.0.
		200 600	DC.		TI C Move
Kearsarge	NIP	300, 600	PG	Government	U. S. Navy.
Kentra	KLN	300, 600	PG	U. S. Steel Products Co.	Marconi Co.
Kentuckian	WKE	300, 600	PG	American-Hawaiian S.S.	Vessel owner.
Kentucky	NIQ	300, 600	PG	Government	U. S. Navy.
Kershaw	KQK	300, 600	PG	Merchants & Miners	Marconi Co.
Keishaw	11.66.17	000,000	1 4	Transp. Co.	marcon co.
7713	33737T	200	na		TT G A
Kilpatrick	WXD	600	PG	Government	U. S. Army.
Kismet	KYK			Bob Myers Babcock	1
Klamath	WSX	300, 600	PG	Klamath S. S. Co	Marconi Co.
Korea	WWK	300, 600	PG	Pacific Mail S. S. Co	Marconi Co.
Kroonland	KSH	300, 600	PĞ	International Mercan-	Marconi Co.
Kroomand	KSH	300, 800	10	tile Marine Co. (Pan- ama-Pacific Line).	marconi co.
Kukui	NLF	300,600	0	Government	U. S. Dept. of
nukui	11111	300,000	ľ	Go voi marchet :	Commerce.
Kvichak	WNS	300, 600	PG	Alaska Packers' Assn	Vessel owner.
Lakeland	WDL	300, 600	PĞ	Port Huron & Duluth	Marconi Co.
Dakeland	WDD	300,000	1 - 4		marconi co.
_	TTTT	000 000	DO.	S. S. Co.	M
Lampasas	KEP	300, 600	PG	Mallory S. S. Co	Marconi Co.
Lamson	NIW	300,600	PG	Government	U. S. Navy.
Lansing	WTC	300, 600	PG	Union S. S. Co. (Union	
0		ĺ	ł	Oil Co.).	
Larimer	KTA	300, 600	PG	Gulf Refining Co	Marconi Co.
	WAI		PĞ	Alaska S. S. Co	Vessel owner.
Latouche		300, 600			
Lawrence	NIY	300, 600	PG	Government	U. S. Navy.
Lebanon	NIZ	300, 600	PG	do	U. S. Navy.
Lenape	KVL	300, 600	PG	Clyde S. S. Co	Marconi Co.
Leonidas	NNH	300, 600	PG	Government	U. S. Navy.
Lewis Luckenbach	WNH			Edgar F. Luckenbach (California & Atlantic	Marconi Co.
•		1	1	Š. S. Co.).	
Lexington	KNB	300, 450,	PG	Colonial Nav. Co	Nat. Elec. Sig-
Lexing wii	KIND	500, 550,	1 4	Colonial May, co.	naling Co.
	TTOT	600.	ъ.	36 36	
Lexington	\mathbf{KQL}	300, 600	PG	Merchants & Miners	ľ
		ļ	l _	Transp. Co.	
Lieut. A. H. Cush-	WYX	400	0	Government	U.S. Army.
ing.			ĺ		1
Lieut. Geo. M. Harris.	WYR	400	0	do	U. S. Army.
	KTD	300, 600	PG	Gulf Refining Co	Marconi Co.
Ligonier					
Liscum	WXE	600	PG	Government	U. S. Army.
Llama	KSI	300, 600	PG	Standard Oil Co. of N. J.	Marconi Co.
Logan	WXF	600	PG	Government	U. S. Army.
Louisiana	KUL	300,600	PG	The Texas Co	Marconi Co.
	NJB	300, 600	PĞ	Government	U. S. Navy.
Louisiana					
Lurline	WML	300, 600	PG	Matson Nav. Co	Marconi Co.
Lydonia	WDY	300, <i>600</i>	PG	W. A. Lydon	Marconi Co.

Vessel.	Call signat.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Lyman Stewart	WTL	300, 600	PG	Union Oil Co. of Cal	Federal Telegraph Co.
Lysistrata	KYL	300,600	PG	James G. Bennett	Vessel owner.
Macdonough	NJH	300,600	PG	Government	U. S. Navy.
Machias	NQL	300, 600	PG	do	U. S. Navy.
Madison	KOG	300, 600	PG	Old Dominion S. S. Co	Marconi Co.
Maine	KME	300,000	14	Charles Clark & Co	Marconi Co.
Maine	KXD	300, 450, 500, 550, 600	PG	New England S. S. Co	Nat. Elec. Sig- naling Co.
Maine	$_{\rm WYQ}^{\rm NJL}$	300, 600 1200	PG O	Governmentdo	U. S. Navy. U. S. Army.
Forse. Major Evan Thomas.	WYO	300	0	do	U. S. Army.
Major Samuel Ringgold.	WYC	300	0	do	U. S. Army.
Manchuria Manitou	WWE WFW	300, 600 300, 600	PG PG	Pacific Mail S. S. Co Northern Michigan Transp. Co.	Marconi Co. Marconi Co.
Manning	NRN	300,600	PG	Government	U. S. C. G.
Manoa	WMQ	300,600	PG	Matson Nav. Co	Marconi Co.
Maracaibo	KDM	300, 600	.PG	Atlantic & Caribbean Steam Nav. Co. (Red D Line).	Marconi Co.
Maracas	KMR	300, 600	PG	New York Transatlantic S. S. Co. (Inc.).	Marconi Co.
Marblehead	NGK	300, 600		Government	
Marietta	NJQ	300,600	PG	do	U. S. Navv.
Mariposa	WHP	300,600	PG	Alaska S. S. Co	Vessel owner.
Marowijne	KDR	300, 600	PG	Marowijne S. S. Corp	Tropical Radio Tele
Marquette & Bessemer No. 1.	WEW	300, 600	PG	Marquette & Bessemer Dock & Nav. Co.	graph Co. Marconi Co.
Marquette & Bessemer No. 2.	WEX	300, 600	PG	do	Marconi Co.
Mars	NJR	300,600	PG	Government	U. S. Navy.
Maryland	NJS	300,600	PG	do	U. S. Navy.
Mascotte	KOW			Peninsular & Occidental S. S. Co.	
Massachusetts	KJM	300, 600	PG	Eastern S. S. Corp	Marconi Co.
Massachusetts	NJT	300, 600	PG	Government	U. S. Navy.
Matinicock	KID	300, 600		Standard Oil Co. of N. J.	
Matsonia	WMP	300,600	PG	Matson Nav. Co	Marconi Co.
Maverick	WTW			Standard Oil Co. of Cal.	TT 0 37
Mayflower	NJV	300, 600	PG	Government	U. S. Navy.
Mayrant	NJU	300, 600	PG	do	U. S. Navy.
McCall	NJW	300,600	PG	do	U. S. Navy.
McClellan	WXH	800	PG	do	U. S. Army.
McCulloch	NRH	300, 600	PG	do	U. S. C. G.
McDougal	NIT	300,600	PG	do	U. S. Navy.
Meade Medina	WXG KEI	300, 600	PG PG	Mallory S. S. Co	U. S. Army.
Merrimack	KQM	300, 600	PG	Mallory S. S. Co Merchants & Miners	Marconi Co. Marconi Co.
Merritt	WXI	600	PG	Transp. Co. Government	U. S. Army.
Metapan	KLF	300, 600	PG	Metapan S. S. Corp	Tropical Radio Telegraph Co.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Mexican	WKL	300, 600	PG	American-Hawaiian S.S.	Vessel owner.
Mexicano Mexico	KGM KWX	300, <i>600</i> 300, <i>600</i>	PG PG	Pierce Oil Corp N. Y. & Cuba Mail S. S.	Marconi Co. Marconi Co.
Miami	KOZ			Co. (Ward Line). Peninsular & Occidental S. S. Co.	
Miami	NRQ	300, <i>600</i> , 750	PG.	Government	U. S. C. G.
Michigan	NJZ	300, 600	PG	do	U. S. Navy.
Millinocket	KNM	300, 600	PG	A. H. Bull S. S. Co	Marconi Co.
Mills	KRR	300, 600	PG	Ogden Mills	Marconi Co.
Milwaukee	NFB	300, 600	PG	Government	U. S. Navy.
Minneapolis	NGB	300, 600	PG	do	U. S. Navy.
Minnesota	WEK	300, 600	PG	Lake Michigan S. S. Co.	Marconi Co.
Minnesota	WMI	300, 600	PG	Great Northern S. S. Co.	Marconi Co.
Minnesota	NKD	300, 600	PG	Government	U. S. Navy.
Minnesotan	WKM	300, 600	PG	American-Hawaiian S. S. Co.	Marconi Co.
Missouri	WFX	300, 600	PG	Northern Michigan S. S. Co.	Marconi Co.
Missouri	NKF	300,600	PG	Government	U. S. Navy.
Missourian	WKX	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner.
Mohawk	KVM	300,600	PG	Clyde S. S. Co	Marconi Co.
Mohawk	KXE	300, 550,	PG	New England S. S. Co	Nat. Elec. Sig
Wahamla	TVII	600	D	Dalah E Dame	naling Co.
Mohawk	KYU	300	P	Ralph E. Barry	Vessel owner.
Mohawk Mohegan	NRM KXM	300, <i>600</i> 300, 550,	PG PG	New England S. S. Co	U. S. C. G. Nat. Elec. Sig-
Momus	KKM	300, 600	PG	Southern Pacific Co	naling Co. Marconi Co.
Monadnock	NHD	300,600	PG	Government	U. S. Navy.
Monaghan	NKL	300, 600	PG	do	U. S. Navy.
Mongolia	WWN	300, 600	PG	Pacific Mail S. S. Co	Marconi Co.
Monocacy	NQQ	300, 600	PG	Government	U. S. Navy.
Montana	NKM	300, 600	PG	do	U. S. Navy.
Montanan	WKN	300, 600	PG	American-Hawaiian S.S.	Vessel owner.
Monterey	KWY	300, 600	PG	Co. N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Monterey	NKN	300, 600	PG	Government	U. S. Navy.
Montgomery	NKO	300, 600	PG	do	U. S. Navy.
Moreni	KNX	300,600	PG	Standard Oil Co. of N. J.	Vessel owner.
Morrill	NRC	300	PG	Government	U. S. C. G.
Morro Castle	KWC	300,600	PG	N. Y. & Cuba Mail S. S.	Marconi Co.
Motano	KSB	300, 600	PG	Co. (Ward Line). Standard Oil Co. of N. J.	Vessel owner.
Mukilteo	WRL	300, 600	1	Charles Nelson Co	T CODOCT O WHOI.
Multnomah	WMA	300, 600	PG	Multnomah S. S. Co	Marconi Co.
Muskogee	KIB	300,600		Standard Oil Co. of N.J.	little control
Nacoochee	KFP	300, 600	PG	Ocean S. S. Co. (Savan- nah Line).	Marconi Co.
Nann Smith	WBO	300,600	PG	Inter-Ocean Transp. Co.	Marconi Co.
Nanshan	NNK	300,600	PG	Government	U. S. Navy.
Nantucket	KQN	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Nashville	NKY	300,600	PG	Government	U. S. Navy.
Navajo	WNJ			Western Steam Nav. Co.	Marconi Co.
		1		(California & Atlantic	
		1		S. S. Co.).	

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Navajo	NKZ	300, 600	PG	Government	U. S. Navy.
Navesink	WXU	400, <i>600</i> , 800	0	do	U. S. Army.
Nebraska	NMA	300,600	PG	do	U. S. Navy.
Nebraskan	WKY	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner.
Neches	KEE	300,600	PG	Mallory S. S. Co	Marconi Co.
Nelson Nemo	KNL KZE	300, 600 300, 450, 600	PG P	Cuba Distilling Co M. N. Liebmann	Marconi Co. Emil J. Si- mon.
Neptune	NMS	300, 600	PG	Government	U. S. Navy.
Nereus	NNF	300, 600	PG	do	U. S. Navy.
Nero	NMB	300,600	PG	American Haussian C C	U. S. Navy.
Nevadan	WKZ	300, 600	PG	American-Hawaiian S.S.	Vessel owner.
New Hampshire	KXF	300, 450, 500, 550, 600	PG	New England S. S. Co	Nat. Elec. Sig- naling Co.
New Hampshire	NME	300,600	PG	Government	U. S. Navy.
New Haven	KXN	300, 450, 500, 550, 600	PG	New England S. S. Co	Nat. Elec. Sig- naling Co.
New Jersey	NMF	300,600	PG	Government	U. S. Navy.
New Orleans	NMG	300,600	PG	do	U. S. Navy.
Newport	NMH	300, 600	PG	do	U. S. Navy.
Newport	WWH	300,600	PG.	Pacific Mail S. S. Co	Marconi Co.
New York	KNK			United N. Y. & Sandy Hook Pilots' Assn.	
New York	KSN	300, 600	PG	International Mercantile Marine Co. (American Line).	Marconi Co.
New York	NCC	300,600	PG	Government	U. S. Navy.
Niagara	KYN	300, 600	PG	Howard Gould	Marconi Co.
Nicholson	NIU	300, 600	PG	Government	U. S. Navy.
Nokomis	WCW	300, 600	PG	Horace E. Dodge	Marconi Co.
Noma	KYO	300, 600	PG	Vincent Astor	Marconi Co.
Norman Bridge North American	WIG WEN	300, 600 300, 600	PG PG	Petroleum Transp. Co Chicago, Duluth &	Marconi Co. Marconi Co.
NT	MAKAT	200 200	DC	Georgian Bay S. S. Co.	TT C N
North Carolina North Dakota	NMN NMO	300, 600	PG PG	Governmentdo	U. S. Navy.
Northern Pacific.	WIM	300, 600 300, 600	PG	Great Northern Pacific S. S. Co.	U. S. Navy. Marconi Co.
Northland	WNX	300, 600	PG	E. J. Dodge Co	Marconi Co.
North Land	WCN	300, 600	PG	Northern S. S. Co	Marconi Co.
North Land	KJD	300, 600	PG	Eastern S. S. Corp	Marconi Co.
North Star	KJS	300, 600	PG	do	Marconi Co.
North Star	KYZ	300, 600	PG	Cornelius Vanderbilt	Marconi Co.
Northwestern	KUO WAN	300, 600 300, 600	PG PG	The Texas Co	Marconi Co. Vessel owner.
North Wind	KYB	300	P	Charles Martin Clark	Vessel owner.
Norwood	WSG	300, 600	PG	Sudden & Christensen (Inc.).	Marconi Co.
Nueces	KEH	300, 600	PG	Mallory S. S. Co	Marconi Co.
Nushagak	WNE	300, 600	PG	Alaska Packers' Assn	Vessel owner.
O'Brien	NIV	300, 600	PG	Government	U. S. Navy.
Oceana	KNV	300, 600		Bermuda-American S. S. Corp.	
Octorara	WCD	300, 600	PG	Erie & Western Transp. Co. (Anchor Line).	Marconi Co.
Ohio	NMW	300,600	PG	Government	U. S. Navy.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

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Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Ohioan	WKQ	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner.
Old Colony	KJO WTD	300, <i>600</i> 300, <i>600</i>	PG ·····	Eastern S. S. Corp Fillmore Condit (Union	Marconi Co.
Olivette	KOV	300, 600	PG	Oil Co.). Peninsular & Occidental S. S. Co.	Marconi Co.
Olson & Mahony	WIK	300, 600	PG	Olson & Mahony	Golden Gate Transp. Co.
Oneida	KYP	300, 550, 600	P	E. C. Benedict	Vessel owner.
Oneonta	WPX	300, 600	PG	Port of Portland	Marconi Co.
Onondaga	NRO	300, 600, 750	PĞ	Government	U. S. C. G.
Ontario	KQO	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Ontario	NTA	300, 600	PG	Government	U. S. Navy.
Oregon	NMZ	300, 600	PG	do	U. S. Navy.
Oregon	wou		ļ	Crowley Launch & Tug- boat Co.	Marconi Co.
Oregonian	wko	300, 600	PG	American-Hawaiian S.S. Co.	Vessel owner.
Orion	NOC	300, 600	PG	Government	U. S. Navy.
Osceola	NOA	300, 600	PG	do	U. S. Navy.
Ossipee	NRJ	300, <i>600</i> , 750,1000	PG	Government	U. S. C. G.
Owera	KZG	300, 600	PG	Peter G. Gerry	Marconi Co.
Ozark	NHH	300, 600	PG	Government	U. S. Navy.
Pacific	KIL	300, 600	PG	Emery S. S. Co	Vessel owner.
Paducah	NOG	300, 600	PG	Government	U. S. Navy.
Palos	NQS	300, 600	PG	do	U. S. Navy.
Pamlico	NRR	300	PG	do	Ŭ. S. C. G.
Pampanga	NQT	300, 600	PG	do	U. S. Navy.
Panama	KMH	300, 600	PG	Panama R. R. Co	Vessel owner.
Panaman	WKR	300, 600	PG	American-Hawaiian S.S. Co.	Vessel owner.
Pan American	KUT	300, 600	PG	Texas S. S. Co	Marconi Co.
Panther	NOJ	300, 600	PG	Government	U. S. Navy.
Panuco	KMM	300, 600	PG	Freeport & Tampico Fuel Oil Transp. Corp.	Marconi Co.
Paraguay	KTT	300, 600	PG	Sun Co	Marconi Co.
Paraiso	WRI	300, 600	PG	Craig Shipbuilding Co	Marconi Co.
Parismina	KDG	300, 600	PG	Parismina S. S. Corp	Tropical Ra- dio Tele-
D1	ATT TO	900 000	Da		graph Co.
Parker Parthian	NIX KQP	300, <i>600</i> 300, <i>600</i>	PG PG	Government	U. S. Navy.
Pastores	KLA	300, 600	PG	Transp. Co. Pastores S. S. Corp	Tropical Radio Tele-
Patapsco	NOL	600		Government	graph Co. U. S. Navy.
Pathfinder	NLJ	300, 600	О	do	U. S. Dept. of Commerce.
Patterson	NLH	300, 600	0	do	U. S. Dept. of Commerce.
Patterson	NOK	300, 600	PG	do	U. S. Navy.
Patuxent	NOM	300, 600	PG	do	U. S. Navv.
Paulding	NON	300, 600	PG	do	U. S. Navy.
Paul Jones	NOP	300, 600	¹ PG	do	U. S. Navy.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Pavlof	wno	300, 600	PG	Pacific-American Fisheries	Marconi Co.
Pennsylvania Pennsylvanian	WWI	300, 600	PG	Pacific Mail S. S. Co	Marconi Co.
	WKP	300, 600	PG	American-Hawaiian S.S.	Vessel owner.
Peoria Pequonnock	NOW KXP	300, 600 300, 550, 600	PG PG	Government New England S. S. Co	U. S. Navy. Nat.Elec. Sig- naling Co.
Pere Marquette	WDA	300, <i>600</i>	PG	Pere Marquette R. R. Co	Marconi Co.
Pere Marquette 17	WDC	300, 600	PG	do	Marconi Co.
Pere Marquette 18	WDD	300, 600	PG	do	Marconi Co.
Pere Marquette 19	WDB	300, 345, 600	PG	do	Marconi Co.
Pere Marquette 20	WDE	300, 600	PG	do <u>.</u>	Marconi Co.
Perfection	KTN	300, 600	PG	Standard Transportation Co.	Marconi Co.
Perkins	NOX	300, 600	PG	Government	U. S. Navy.
Perry	NOY	300, 600	PG	do	U. S. Navy.
Persian	KQX	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Peru	WWJ	300, 600	PG	Pacific Mail S. S. Co	Marconi Co.
Petrel	NOZ	300, 600	PG	Government	U. S. Navy.
Petrolite	KIF	300, 600	PG	Standard Oil Co. of N. J.	Vessel owner.
Philadelphia	KDA	300, 600	PG	Atlantic & Caribbean Steam Nav. Co. (Red D Line).	Marconi Co.
Philadelphia	KSM	300, 600	PG	International Mercantile Marine Co. (American Line).	Marconi Co.
Pilot Boy	KPL	300, 600	PG	Texas & Gulf S. S. Co	
Pioneer	KIG	300, 600	PG	Standard Oil Co. of N. J.	Vessel owner.
Pittsburgh	NOT	300, 600	PG	Government	U. S. Navy.
Platuria	KSE	300, 600	PG	Standard Oil Co. of N. J.	Marconi Co.
Pleiades	\mathbf{WNP}	300, 600	PG	Edgar F. Luckenbach	Marconi Co.
Plymouth	KXH	300, 550, 600	PG	New England S. S. Co	Nat. Elec.Sig- naling Co.
Polarine	KOI	300, 600	PG	Standard Oil Co. of N. J	Vessel owner.
Compey	NQF	300, 600	PG	Government	U. S. Navy.
Ponce	KGP	300, 600	PG	New York & Porto Rico S. S. Co.	Marconi Co.
Portland	$\mathbf{W}\mathbf{N}\mathbf{V}$	300, 600	PG	Nyno Line (Inc.)	Vessel owner.
Potomac	NQK	300, <i>600</i>	PG	Government	U. S. Navy.
Powhatan	KQY	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Prairie	NQM	300, 600	PG	Government	U. S. Navy.
Preble	NQN	300, 600	PG	do	U. S. Navy.
President	WĞP	300, 600	PG	Pacific Coast Co	Marconi Čo.
Preston	NQO	300, 600	PG	Government	U. S. Navy.
Princess Anne	KOB	300, 600	PG	Old Dominion S. S. Co	Marconi Co.
Princeton	KST	300, 600	PG	Standard Oil Co. of N. J.	Vessel owner.
Princeton	NQP	300, 600	PG	Government	U. S. Navy.
Priscilla	KXI	300, 550, 600	PG	New England S. S. Co	Nat. Elec.Sig- naling Co.
Prometheus	NQR	300, 600	PG	Government	U. S. Navy.
Proteus	KŘP	300, 600	PĞ	Southern Pacific Co	Marconi Co.
Proteus	NNG	300, 600	PG	Government	U. S. Navy.
Providence	KXJ	300, 550, 600	PG	New England S. S. Co	Nat. Elec.Sig- naling Co.
Puritan	WDU	300, 600	PG	Graham & Morton Transp. Co.	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Quantico	KQQ	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Queen Radiant	WGX KTR	300, <i>600</i> 300, <i>600</i>	PG PG	Pacific Coast S. S. Co Standard Transportation Co.	Marconi Co. Marconi Co.
Rainbow Raleigh Ramos	NTD NTE KER	300, 600 300, 600 300, 600	PG PG	GovernmentdoSloan, Danenhower & Co.	U. S. Navy. U. S. Navy.
Ranger Ransom B. Fuller. Rayo	NFU KRF KTL	300, 600 300, 600 300, 600	PG PG PG	Government Eastern S. S. Corp Standard Transportation Co.	U. S. Navy. Marconi Co. Atlantic Communication Co.
Redondo Reid Relay Relief	WBM NTU KVZ KRJ	300, 600 300, 600 300, 600	PG PG P	Alaska S. S. Co	Vessel owner. U. S. Navy. Vessel owner.
Relief Lightship 66 or 85.	NLD	300, 600	PG	Government	U. S. Navy.
Relief Lightship	NLE	300, 600	PG	do	U. S. Navy.
71 or 72. Relief Lightship 94 or 53.	NLG	300, 600	PG	do	U. S. Navy.
Remlik	KZR WYN KRP	300, 600 300, 600	PG O PG	Willis S. Kilmerdodo	Marconi Co. U. S. Army. Vessel owner.
Restorer	WIU	300, 600	P	rick & Wrecking Co. Commercial Pacific Ca- ble Co.	Vessel owner.
Reuce	WSR	300, 600	PG	Columbia River Pack- ers' Assn.	Vessel owner.
Rhode Island Richard Richard Peck	NTX WLG KXR	300, 600 300, 600 300, 450, 500, 550,	PG PG	Government	U. S. Navy. Nat.Elec. Sig- naling Co.
Richmond Rio Grande Roamer	WTR KEG KZN	300, <i>600</i> 300, <i>600</i>	PG PG	Standard Oil Co. of Cal Mallory S. S. Co State of Florida	Marconi Co. Marconi Co.
RoanokeRoeRoma	WRR NTZ WTE	300, 600 300, 600 300, 600	PG PG	North Pacific S. S. Co Government Union S. S. Co. (Union Oil Co.).	Marconi Co. U. S. Navy.
Roosevelt	NLR	300, 600	0	Government	U. S. Dept. of Com- merce.
Rose City	wwr	300, 600	PG	San Francisco & Port- land S. S. Co.	Marconi Co.
SabineSacramentoSalemSandy Hook	KEB NQV NTP KNJ	300, 600 300, 600 300, 600 300, 600	PG PG PG	Mallory S. S. Co	Marconi Co. U. S. Navy. U. S. Navy.
San Francisco San Francisco San Jacinto San Jose San Juan	KRT NTQ KES WWL KGJ	300, 600 300, 600 300, 600 300, 600 300, 600	PG PG PG PG PG	Hook Pilots' Assn. U. S. Steel Products Co Government Mallory S. S. Co Pacific Mail S. S. Co New York & Porto Rico S. S. Co.	Marconi Co. U. S. Navy. Marconi Co. Marconi Co. Marconi Co.

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Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
San Juan	WWM	300, 600	PG	Pacific Mail S. S. Co	Marconi Co.
San Marcos	KEK	300, 600	PG	Mallory S. S. Co	Marconi Co.
San Mateo	KLV	300, 600		San Mateo S. S. Corp	marcom co.
San Pablo	KLW				
		300, 600		San Pablo S. S. Corp	
San Pedro	KLX	300, 600	ng.	San Pedro S. S. Corp	35
San Ramon	WNW	300, 600	PG	E. J. Dodge Co	Marconi Co.
Santa Ana	WAL	300, 600	PG	Alaska S. S. Co	Vessel owner.
Santa Catalina	WBC	300, 600	PG	Atlantic & Pacific S. S.	Marconi Co.
Santa Cecilia	WBB	300, 600	PG	do	Marconi Co.
Santa Clara	WBA	300, 600	PG	do	Marconi Co.
Santa Clara	WRS	300, 600	PG	North Pacific S. S. Co	Marconi Co.
Santa Cruz	WPA			Puget Sound Salvage Co.	
Santa Cruz	WBD	300, 600	PG	Atlantic & Pacific S. S.	Marconi Co.
Santa Maria	WTF	300, 600	PG	Co. United S. S. Co. (Union Oil Co.).	
Santa Marta	KLG	300, 600	PG	Santa Marta S. S. Corp	Tropical Ra
Dania Marta	KLG	300, 000	10	Balla Marta B. B. Corp	dio Tele graph Co.
Santanta	KZS	300, 600	P	Osborne Howes	Vessel owner.
Santa Rita	WTG	300, 600		Sun Co	Marconi Co.
Santa Rosalia	KLO	300, 600	PG	U. S. Steel Products Co	Marconi Co.
Santiago	KWE	300, 600	PG	N. Y. & Cuba Mail S. S.	Marconi Co.
Santiago		300, 000	10	Co. (Ward Line).	marcom co.
Saramacca	KLH	300, 600	PG	Saramacca S. S. Corp	Tropical Ra
Saratoga	KWS	300, 600	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	graph Co. Marconi Co.
Saratoga	NTR	300, 600	PG	Government	U. S. Navy.
Sarnia	KVR	300, 600	PG	Sarnia S. S. Corp	Marconi Co.
Satellite	KPS	300, 600	PG	Alfred S. Sorensen & Sons.	Vessel owner
Satsuma	KJI	300,600	PG	Barber & Co	Marconi Co.
Saturn	NNM	300, 600	PG	Government	
	KYJ	500,000	14		U. S. Navy.
Sayonara		200 000	DO.	A. J. Drexel	Vessel owner.
Scorpion Security	$ \begin{array}{c} \text{NTT} \\ \text{KSJ} \end{array} $	300, 600	PG PG	Government Standard Transporta-	U. S. Navy. Marconi Co.
Seeandbee	WFS	300, 600	PG	tion Co. Cleveland & Buffalo	Marconi Co.
				Transit Co.	
Seguranca	KWG	300, 600	PG	Edward N. Breitung	Marconi Co.
Seminole	NRS	300, 600	PG	Government	U. S. C. G.
Senator	WGS	300, 600	PG	Pacific Coast Co	Marconi Co.
Senator Bailey	KGS	300, 450, 600	PG	Steele Towing & Wrecking Co.	Vessel owner
Seneca	NRE	300, 600 750	PG	Government	U. S. C. G.
Seward	WAV	300, 600	PG	Alaska S. S. Co	Vessel owner.
Shenango	KTC	300, 600	PG	Gulf Refining Co	Marconi Co.
Sheridan	WXJ	600	PG	Government	U. S. Army.
Sherman	WXK	600	PG	do	U. S. Army.
Sialia	WFY	000	1 4	J. K. Stewart	O. B. Army.
Siberia	WWU	300 600	PC		Managari Co
Sihiria		300, 600	PG	Pacific Mail S. S. Co	Marconi Co.
Sibiria	KVS	300, 600	PG	Sibiria S. S. Corp	Marconi Co.
Sierra	WHJ	300, 600	PG	Oceanic S. S. Co	Federal Tele graph Co.
Sixaola	KDS	300, 600	PG	Sixaola S. S. Corp	Tropical Radio Tele- graph Co.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
S. M. Fischer	WPH	300, 600	PG	Reid Wrecking Co	Marconi Co.
Smith	NSQ	300, 600	PG	Government	U. S. Navy.
Snohomish	NRF	300,000	PG	do	U. S. C. G.
Socony	KTX	300, 600	PG	Standard Oil Co. of N. Y.	Atlantic Com-
socony	KIA	300,000	10	Standard Off Co. of N. 1.	munication Co.
Solace	NST	300, 600	PG	Government	U.S. Navy.
Somerset	KQS	300, 600	PG	State Street Trust Co. (Merchants & Miners Transp. Co.).	
Somerset	KSU	300, 600	PG	Standard Oil Co. of N. J.	Vessel owner.
Sonoma	WHM	300, 600	PG	Oceanic S. S. Co	
Sonoma	NTG	300, 600	PG	Government	U. S. Navy.
Sotoyomo	NUX	300, 600	PG	do	U. S. Navy.
South American.	WEO	300, 600	PG	Chicago, Duluth & Georgian Bay S. S. Co.	Marconi Co.
South American	KVW	300, 600	PG	The Texas Co	Marconi Co.
South Carolina	NSW	300, 600	PG	Government	U. S. Navy.
South Dakota	NSX	300, 600	PG	do	U. S. Navy.
Southerner	KJF	300, 600	PG	Walker, Armstrong & Co.	Marconi Co.
Speedwell	WQS	300, 600	PG	A. F. Estabrook (Sou. Oreg. Transp. Co.).	Marconi Co.
Spokane	WGE	300, 600	PG	Pacific Coast Co	Marconi Co.
Sprigg Carroll	WZU	1200	0	Government	U. S. Army.
Standard	KIC			Standard Oil Co. of N. J.	
S. O. Co. No. 91	WTU	300, 600	PG	Standard Oil Co. of Cal	Marconi Co.
S. O. Co. No. 92	KTY			Standard Transporta- tion Co.	00,
S. O. Co. No. 93	WTY	300, 600	PG	Standard Oil Co. of Cal.	Marconi Co.
S. O. Co. No. 94	KTP			Standard Transporta- tion Co.	
S. O. Co. No. 95	WTZ	300, 600	PG	Standard Oil Co. of Cal.	Marconi Co.
St. Francis	WHH	300, 600	PG	Alaska Fishermen's Packing Co.	Vessel owner.
St. Helens	WNY	300, 600	PG	E. J. Dodge Co	Marconi Co.
St. Louis	KSL	300, 600	PG	International Mercantile Marine Co. (American Line).	Marconi Co.
St. Louis	NTF	300, 600	PG	Government	U.S. Navy.
St. Nicholas	WSS	300, 600	PG	Columbia River Pack- ers' Assn.	Vessel owner
St. Paul	KSO	300, 600	PG	International Mercantile Marine Co. (American Line).	Marconi Co.
Stanley Dollar	WSD			Dollar S. S. Line	
Starr	WPS	300, 600	PG	San Juan Fishing & Packing Co.	Vessel owner.
State of Ohio	WFR	300, 600	PG	Cleveland & Buffalo Transit Co.	Marconi Co.
Sterrett	NTB	300, 600	PG	Government	U. S. Navy.
Stewart	NTC	300, 600	PG	do	U. S. Navy.
Stranger	NSR	300, 600		do	
Sultana	KZH	300, 600	PG	Mrs. Mary W. Harriman.	Marconi Co.
Sumner	WXL	600	PG	Government	U. S. Army
Sun	KTU	300, 600	PG	Sun Co	Marconi Co.
Supply	NTK	300, 600	PG	Government	
Suriname	KLI	300, 600	PG	Suriname S. S. Corp	Tropical Radio Tele
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SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
S. V. Luckenbach.	KGU	300, 600	PG	Edgar F. Luckenbach	Marconi Co.
Suwannee	KQZ	300, 600	PG	State Street Trust Co. (Merchants & Miners Transp. Co.).	
Sylph	NTL	300, 600	PG	Government	U. S. Navy.
Tacoma	NUA	300, 600	PG	do	U. S. Navy.
Tallahassee	NUC	300, 600	PG	do	U. S. Navy.
Tallapoosa	NRV	300, 600 750, 1000	PG	do	U. S. C. G.
Tarantula	KZT			W. K. Vanderbilt, jr	
Tasco	KFT	300, 400,	PG	T. A. Scott Co. (Inc.)	Vessel owner.
Tatoosh	WPE	480, 600 300, 600	PG	Puget Sound Tug Boat	Vessel owner.
Tenadores	KLB	300, 600	PG	Co. Tenadores S. S. Corp	Tropical Ra-
1 enadores	KLD	300,000	10	Tenadores S. S. Corp	dio Tele- graph Co.
Tennessee	NUG	300, 600	PG	Government	U. S. Navv.
Terry	NUI WKT	300, 600	PG PG	American-Hawaiian S.S.	U. S. Navy. Vessel owner.
1 exam	WKI	300, 600	10	Co.	vesser owner.
Texas	KUR	300, 600	PG	The Texas Co	Marconi Co.
Texas	NCD	300, 600	PG	Government	U. S. Navy.
The Harvester	WCR NRT	300, 600	PG PG	Government	Marconi Co. U. S. C. G.
Thomas	WXM	600	PG	do	U. S. Army.
Tionesta	WCA	300, 600	PG	Erie & Western Transp. Co. (Anchor Line).	Marconi Co.
Tivives	KMI	300, 600	PG	Tivives S. S. Corp	Tropical Ra- dio Tele-
Toledo	KTV	300,600	PG	Sun Co	graph Co. Marconi Co.
Tonopah	NUN	300, 600	PG	Government	U. S. Navy.
Topila	KKE	300, 600	PG	Southern Pacific Co	Marconi Co.
Trinidadian	KNO	300, 600	PG	Gulf Refining Co	Marconi Co.
Trippe Truxton	$\begin{array}{c} \mathrm{NUQ} \\ \mathrm{NUS} \end{array}$	300, 600	PG PG	Governmentdo	U. S. Navy. U. S. Navy.
Turrialba	KDT	300, 600	PG	Turrialba S. S. Corp	Tropical Ra- dio Tele-
Tuscan	KQT	300, 600	PG	Merchants & Miners	graph Co.
Tubcan	11.6/1	300,000	10	Transp. Co.	San
Tuscarora	NRL	300,600	PG	Government	U. S. C. G.
Ulysses	$\begin{array}{c} \mathrm{KPU} \\ \mathrm{WGU} \end{array}$	300, 600	PG	Panama Canal	Managari Co
Umatilla Unalga	NRX	300, 600 300, 600, 800	PG	Government	Marconi Co. U. S. C. G.
Uncas	NVF	300, 600	PG	do	U. S. Navy.
Utah Vanadis	NVE KYT	300, 600 300, 450, 600	PG P	C. K. G. Billings	U. S. Navy. Vessel owner.
Venetia	WOV			J. D. Spreckles	Vessel owner.
Ventura Vermont	$\frac{\text{WHL}}{\text{NVK}}$	300, 600	PG PG	Oceanic S. S. Co Government	U. S. Navy.
Vesta	KTS	300, 600	PG	Standard Transporta-	Marconi Co.
Vestal	NMC	300, 600	PG	tion Co. Government	U. S. Navy.
Vesuvius	NVM	300, 600	PG	do	U. S. Navy.
Vicksburg	NVN	300, 600	PG	do	U. S. Navy.
Victoria Vigilancia	$\frac{\text{WAD}}{\text{KWV}}$	300, 600	PG PG	Alaska S. S. Co N. Y. & Cuba Mail S. S	Vessel owner. Marconi Co.
rigitaticia	TZ AA A	000,000	110	Co. (Ward Line).	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Villalobos	NVP	300, 600	PG	Government	U. S. Navy.
Virginia	WFH	300,600	PĞ	Goodrich Transit Co	Marconi Co.
Virginia	NVR	300,600	PG	Government	
Virginia	WKV		PG	American Hamaiian C.C.	U. S. Navy.
Virginian	WKV	300, 600	PG	American-Hawaiian S.S. Co.	Vessel owner.
Vixen	NSU	300, 600	١	Government	
Vulcan	NVT	300 , <i>600</i>	PG	do	U. S. Navy.
Wakiva	KYI	300, 600	PG	Lamon V. Harkness	Marconi Co.
Walke	NWL	300,600	PĞ	Government	U. S. Navy.
Wallula	WPY	300, 600	PĞ	Port of Portland	Marconi Co.
Wana	ΚΫ́X	300,600	P	George C. Sherman	Marconi Co.
	WMG		PG	Chag P McCommist &	
Wapama	· W MG	300, 600	rG	Chas. R. McCormick &	Marconi Co.
Warren	WXN	600	PG	Government	U. S. Army.
Warrington	NWD	300 , <i>600</i>	PG	do	U.S. Navy.
Washington	NWE	300, 600	PG	Government	U.S. Navy.
Washtenaw	WTH	300, 600	PĞ	Union S. S. Co. (Union	0.2.2.4.
Wooding William	***	000,000	1 4	Oil Co.).	
Wasp	NSV	300, 600	PG	Government	
Wayfarer	KYW	300,000	1 4 4	Alfred G. Vanderbilt	
W. B. Flint	WHG	300,600	PG	Alaska Fishermen's	Vessel owner.
l	WIIG	300,000	1 4	Packing Co.	vesser owner.
W. B. Keene	KWK	300, 600	PG	Hilton Dodge Transp.	Marconi Co.
West Virginia	NWG	300, 600	PG	Government	U. S. Navy.
Western States	WED	300, 600	PĞ	Detroit & Cleveland	0.0.2.4.
Wort	ZOE	200 200	DC.	Nav. Co.	771
Westwego	KGE	300, 600	PG	Union Petroleum S. S. Co.	Vessel owner.
Wheeling	NWH	300, 600	PG	Government	U.S. Navy.
Whipple	NWI	300, 600	PG	do	U.S. Navy.
Whittier	WHT	300, 600	PG	Max Dyer (Union Oil	
Wiss	TENINI	000 000	Da	Co.).	
Wico	KNN	300,600	PG	Standard Oil Co. of N. J.	Marconi Co.
Wild Duck	KYG	300, 600	PG	Gulf Refining Co	Marconi Co.
Wilhelmina	WMO	300, 600	PG	Matson Nav. Co	Marconi Co.
Willamette	WSW	300, 600	PG	Willamette S. S. Co	Marconi Co.
William Chatham.	WMC	300, 600	PG	Steamer William Chatham Co. (Inc.).	Marconi Co.
$\mathbf{Wm.F.Herrin}$	\mathbf{WTN}	300, 600	PG	Associated Oil Co	Marconi Co.
William O'Brien	KPN	300, 600		East Coast Transp. Co	Marconi Co.
Wilmington	NWK	300, 600	PG	Government	U.S. Navy.
Windber	WND	300, 600	PĞ	Pacific-American Fisheries.	Marconi Co.
Windom	NRW	300, 600	PG	Government	U.S.C.G.
Winifred	KTE	300, 600	PĞ	Gulf Refining Co	Marconi Co.
Winslow	NJA	300, 600	PĞ	Government	U. S. Navy.
Wisconsin	NWM	300,600	PĞ		
Wandan				do	U.S. Navy.
Worden	NWP	300, 600	PG	do	U.S. Navy.
W. S. Porter	WTM	300,600	PG	Associated Oil Co	Marconi Co.
Wyoming	NWQ	600	PG	Government	U.S. Navy.
Yale	WRY	300, 600	PG	Metropolitan S. S. Co.	Federal Tele-
				(Pacific Steam Nav. Co.).	graph Co.
Yamacraw	NRY	300, 600	PG	Government	U. S. C. G.
Yankton	NSK	300, 600	PG	do	U. S. Navy.
Yorktown	NQX	300, 600	PG	do	U.S. Navy.
Yosemite	WQY	300, 600	PG	Yosemite S. S. Co	Marconi Co.
Yucatan	WMY	300, 600	PG	North Pacific S. S. Co	

Ship Radio Stations, Alphabetically by Names of Vessels-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Zacapa	KLE	300, 600	PG	Zacapa S. S. Corp	Tropical Ra- dio Tele- graph Co.
Zapora	WPQ	300, 600	PG	International Fisheries	Vessel owner.
Zealandia	KNR	300, 600	PG	Fiske Trading Co	Nat. Elec. Signaling Co.
Zulia	KDZ	300, 600	PG	Atlantic & Carribbean Steam Nav. Co. (Red D Line).	Marconi Co.

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS.

[This list includes all call signals which have been assigned to United States radio stations, except amateur and certain "special" stations. b=ship station; c=land station.]

Call signal.	Station.	Call signal.	Station.
KDA KDB	Philadelphia b Caracas b	KEO KEP	Lampasasb
KDC KDD	Douglas, Arizc Cartagob	KEQ	
KDE KDF	Carrillob	KER KES	Ramosb San Jacintob
KDG	Coppename b Parismina b	KET	Bolinas, Calc
KDH	Herediab		=====================================
KDI	Abangarezb	KEU	
KDJ KDK	AA	KEV	
KDL	Atenasb Espartab	KEW	
KDM	Maracaibob	KEX	Los Angeles, Calc
KDN	San Luis Obispo, Calc		,
KDO		KEY KEZ	Brazosb
KDP	Portland, Oregc	KFA	City of Columbusb
	,	KFB	City of Atlantab
KDQ	Mr	KFC	City of Maconb
KDR KDS	Marowijneb Sixoalab	KFD	City of Memphisb
KDT	Turrialbab	KFE	l
KDŪ	Juneau, Alaska	KFF	Friedab
KDV		KFG	
112		KFH	Herman Fraschb
KDW		KFI	I. D. Fletcherb
KDX		KFJ KFK	City of Augustab City of Savannahb
KDY		KFL	
$\mathbf{K}\mathbf{D}\mathbf{Z}$	Zuliab	KFM	
KEA KEB	Coloradob	KFN	
KEC	Sabineb	LITA	
		KFO	
KED KEE	Machae	KFP	Nacoocheeb
VEE	Nechesb	KFQ	
KEF			
KEG	Rio Grandeb	KFR	
KEH KEI	Nuecesb Medinab	KFS KFT	San Francisco, Cal
KEJ	Alamob	KFU	Tascob Lents, Oregc
KEK	San Marcosb		
T INT		KFV	
KEL KEM	Comalb	KFW	
KEN	Comai	KFX	City of St. Louisb
	•		•

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Station.	Call signal.	Station.
KFY	City of Montgomeryb	KHR	
KFZ KGA	Coamob	KHS KHT	Naknek, Alaska
KGB	Carolinab	KHU	,
KGC KGD KGE	Dacia b Westwego b	KHV	
KGF	westwego	KHW KHX	Heeia Point, Hawaii
KGG		кну	
KGH KGI KGJ	Hollister, Cal	KHZ KIA	Androne
KGK	San Juanb	KIB KIC	Ardmore b Muskogee b Standard b
KGL		KID KIE	Matinicock b Koko Head Hawaii c
KGM KGN	Mexicanob Albina, Oregc	KIF KIG	Petrolite
KGO KGP	Underwood, Washc Ponceb	KIH KII	Corningb Evangelineb
KGQ KGR	Atlantab	KIJ KIK	Atlanticb
KGS KGT	Senator Baileyb J. L. Luckenbachb	KIL	Pacificb
KGU KGV	S. V. Luckenbachb	KIM	
KGW		KIO	
KGX		KIP	
KGY		KIQ	
KGZ KHA	Karluk, Alaskac	KIR	
KHB KHC	Kogiung, Alaskac Chignik, Alaskac	KIS	
KHD		KIT KIU	
KHE KHF	Nushagak, Alaskac	KIV	Iditarod, Alaska
KHG	Clarks Point, Alaskac	KIW KIX	Victor, Colo
KHH		KIY	
KHI KHJ KHK	Koko Head, Hawaiic Wahiawa, Hawaiic	KIZ	Tolovana, Alaska
KHL KHM	Lahaina, Hawaii	KJA KJB	Jualin, Alaska
KHN KHO	Kawaihae, Hawaiic Kaunakakai, Hawaiic	KJC	North Land b
KHP KHQ	Phoenix, Arizc	KJD KJE KJF	Georgiana b Southerner b

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
KJG		KKU KKV	El Mundo b El Oriente b
KJH KJI	Satsumab	KKW KKX	El Valleb
KJJ		KKY KKZ	El Diab El Riob
KJK		KLA KLB	Pastores b Tenadores b
KJL KJM	Massachusettsb	KLO KLD KLE	Calamares b Almirante b Zacapa b
KJN		KLF KLG	Metapanb Santa Martab
KJO KID	Old Colonyb	KLH KLI	Saramacca b Suriname b
KJP KJQ		KLJ KLK	Craster Hallb
KJR	Rialto, Calc	KLL	
KJS	North Starb	KLM KLN	Bantu b Kentra b
KJT KJU		KLO KLP	Santa Rosaliab
KJV		KLQ	
KJW		KLR KLS	Crofton Hallb Los Angeles, Calc
KJX		KLT KLU	Howick Hallb Charlton Hallb
KJY		KLV KLW KLX	San Mateob San Pablob San Pedrob
KJZ KKA	Antilles b	KLY	San redro
KKB KKC KKD	El Sol. b Chalmette b Comus b	KLZ KMA	Alliançab
KKE	Topilab	КМВ	
KKF KKG		KMC KMD	Cristobal b
KKH		KME KMF	Maine b Egegak, Alaska c
KKI		KMG KMH	Nushagak, Alaskac Panamab
KKJ		KMI	Tivivesb
KKK KKL KKM	El Alba b Momus b	KMJ KMK KML KMM	Naknek, Alaskac Kvichak, Alaskac Panucob
KKN KKO	El Norte b Excelsior b	KMN	
KKP KKQ	Proteusb El Sudb	кмо	
KKR KKS	Creole b El Siglo b	KMP	
KKT	El Cidb	KMQ	1

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS-Continued.

signal.	Station.	Call signal.	Station.
KMR	Maracasb	KOL	
KMS KMT	Anconb Kvichak, Alaskac	KOM	
KMU KMV	Ugashik, Alaskab	KON	
KMW KMX	Akutan, Alaskac Colonb	коо	
KMY		кор	
KMZ KNA	Dorothy Bradfordb	KOQ	
KNB	Lexingtonb		
KNC KND	Concordb Beverlyb	KOR KOS	Brunswickb
KNE		кот	
KNF		KOU	
KNG	Bradfordb	KOV	Olivetteb
KNH	Brocktonb	KOW	Mascotteb
KNI KNJ	De Sotob Sandy Hookb	KOX	Henry M. Flaglerb
KNK	New Yorkb	KOY	l
KNL	Nelsonb	KOZ	Miamib
KNM	Millinocketb	KPA	Seattle, Washc
KNN	Wicob	KPB	Ketchikan, Alaskac
KNO	Trinidadianb	KPC	Astoria, Oregc
KNP	Daytonb	7770	
KNQ		KPD KPE	Seattle, Washc
·KNŘ	Zealandiab	KIL	Seattle, Wash
11111	2) Carlantina	KPF	
KNS			1
		KPG	
KNT	•••••	KPH	Hillcrest, Calc
KNU	Currierb	KPI KPJ	Avalon, Calc East San Pedro, Calc
KNV	Oceanab	L1A	East San Fedro, Can
221, 1	Ocodina.	KPK	l
KNW		KPL	Pilot Boyb
KNX	Morenib	KPM	Eureka, Cal
KNY		KPN	William O'Brienb
i		KPO	
KNZ			
KOA	Hamiltonb	KPP	
KOB	Princess Anneb	TZDO	
KOC (Jamestownb Jeffersonb	KPQ	
KOE	Communipawb	KPR	
TOL	Communican	KPS	Satelliteb
KOF		KPT	Achillesb
KOG	Madisonb	KPU	Ulyssesb
кон	Glenpool		1
KOI	Polarineb	KPV	
кој		KPW KPX	Cape Codb Marshfield, Oregc
KOK		KPY	

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Station.	Call signal.	Station.
KPZ		KRX	
KQA		KRY	
KQB KQC	Berkshireb	77.07	
KQD	Cretanb Dorchesterb	KRZ KSA	Astral b
KČE	Essex b	KSB	Motano b
		KSC	Cushingb
KQF	Clamantan 1	KSD	San Diego, Cal
KQG KQH	Gloucesterb Howardb	KSE KSF	Platuriab Finlandb
KQI	Indianb	KSG	Baton Rougeb
ŔQĴ	Juniatab	KSH	Kroonland b
KQK	Kershawb	KSI	Llamab
KQL	Lexingtonb	KSJ	Securityb
KQM KQN	Merrimackb Nantucketb	KSK KSL	Caddo b St. Louis b
KÕÕ	Ontariob	KSM	Philadelphiab
KQP	Parthianb	KSN	New York b
KQQ	Quanticob	KSO	St. Paulb
KQR	Grecianb	KSP	Caloriab
KQS KQT	Somersetb	KSQ	
rAı	Tuscan	KSR	Bayway
KQU		KSS	Baywayb South San Francisco, Calc
-		KST	Princetonb
KQV		KSU	Somersetb
KQW KQX	Persian b	KSV	
KQY	Powhatan b	KSW	
ŔQŹ	Suwanneeb	1120,,	
KRA	Francis Hanifyb	KSX	
KRB	Governor Cobbb	KSY	
KRC KRD	Camdenb Belfastb	NO1	
KRE	Bay Stateb	KSZ	1
KRF	Ransom B. Fullerb	KTA	Larimerb
TOO		KTB	Gulfstreamb
KRG KRH	City of Bangorb	KTC KTD	Shenangob Ligonierb
KRI	City of Bangor City of Rocklandb	KTE	Winifredb
KRJ	Reliefb	KTF	J. M. Guffeyb
KRK	Gargoyleb	KTG	Gulfoilb
KRL		KTH KTI	Illinoisb Brilliantb
		KTJ	Cometb
KRM		KTK	John D. Archboldb
KRN	Calvin Austinb	KTL	Rayob
KRO KRP	Columbiab Rescueb	KTM KTN	Eocene b Perfection b
17111	100000000000000000000000000000000000000	KTO	John D. Rockefellerb
KRQ		KTP	S. O. Co. No. 94b
KRŘ	Millsb	KTQ	City of Everettb
T/Da		KTR	Radiantb
KRS KRT	San Franciscob	KTS KTT	Vestab Paraguayb
17161	Nam Plantenco	KTU	Sunb
KRU		KTV	Toledob
KRV	Governor Dingleyb	KTW	Delaware Sunb
KRW	Roche Harbor, Washc	KTX	Soconyb

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Station.	Call signal.	Station.
KTY	S. O. Co. No. 92b	KVM	Mohawkb
KTZ KUA	Brindillab Gulflightb	KVN	
KUB		кvo	
KUC		KVP	
KUD KUE	Gulfcoastb	KVQ KVR KVS	Sarnia b Sibiria b
KUF		KVT	
KUG		KŸŪ	Elmer A. Keelerb
KUH		KVV KVW	South Americanb
KUI		KVX	
KUJ KUK KUL	Louisianab	KVY KVZ KWA	Relayb Buenaventurab
KUM KUN KUO	Alabama b Northwestern b	KWB KWC KWD KWE	Morro Castle b Antilla b Santiago b
KUP		KWF	
KUQ KUR KUS KUT	Texas b Florida b Pan American b	KWG KWH KWI	Seguranca b Havana b Camaguey b
KUU	Brabantb	KWJ KWK	W. B. Keeneb
KUV		KWL	
KUW		KWM KWN	Guantanamob
KUX		KWO	
KUY		KWP	
KUZ KVA	Apacheb	KWQ	
KVB KVC	Arapahoeb Comancheb	KWR	
KVD		KWS KWT	Saratogab Teller, Alaskac
KVE KVF KVG KVH	Iroquois b Algonquin b Huron b	KWU KWV	Vigilanciab
KVI		KWW KWX	Mexicob
KVJ KVK KVL	Cherokee b Lenape b	KWY KWZ KXA KXB	Monterey

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
KXC KXD	Commonwealthb Maineb	KYZ KZA	North Starb Albertab
KXE KXF	Mohawkb New Hampshireb	KZB	
KXG KXH KXI KXJ	Plymouthb Priscillab Providenceb	KZC KZD KZE	Emeline b Nemo b
KXK KXL KXM	City of Tauntonb Moheganb	KZF KZG KZH	Owera. b Sultana b
KXN	New Havenb	KZI	
KXO KXP	Pequonnock b	KZJ	
KXQ KXR	Chester W. Chapinb Richard Peckb	KZK	
KXS		KZL	
KXT		KZM	
KXU		KZN	Roamerb
KXV		KZO.	
KXW		KZP	
KXX		KZQ KZR	Remlikb
KXY		KZS KZT	Santantab Tarantulab
KXZ KYA KYB	Atalantab North Windb	KZU	
KYC KYD	Corsairb Cyprusb	KZV	
KYE KYF	Cassandra b Florence b	KZW	
KYG KYH	Wild Duckb	KZX	
KYI KYJ	Wakivab Sayonarab	KZY	
KYK KYL	Kismetb	KZZ	
KYM KYN	Columbia b Niagara b	NAA	Arlington, Radio, Vac
KYO KYP	Nomab Oneidab	NAB NAC	Portland, Mec Portsmouth, N. Hc
KYQ KYR	Californiab Karinab	NAD NAE	Boston, Massc Cape Cod, Massc
KYS		NAF NAG	Newport, R. Ic Fire Island, Long Island, N.Y.c
KYT KYU	Vanadisb Mohawkb	NAH NAI	New York (Brooklyn), N. Y c Philadelphia, Pac
KYV KYW KYX	Wayfarerb	NAJ NAK NAL	Annapolis, Md
KYY	Wanab	NAM	Washington, D. C
VII	}	NAN	Beaufort, N. Cc

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Station.	Call signal.	Station.
NAO NAP NAQ	Charleston, S. C	NCB NCC NCD	New York b Texas b
NAR NAS NAT	Key West, Fla. c Pensacola, Fla. c New Orleans, La. c	NCE NCF	Bailey
NAU NAV NAW	San Juan, P. R c Port Royal, S. C c Guantanano Bay, Cuba c	NCG NCH	Baltimoreb
NAX	Colon, Panamac	NCI	
NAY		NCJ	
NAZ NBA	Darien, Panamac	NCK NCL	Bealeb
NBC NBC		NCM NCN	Birminghamb
NBD		NCO	
NBE		NCP	
NBF		NCQ	
NBG NBH		NCR	
NBI NBJ	Alabamab Albanyb	NCS	
NBK NBL	Alertb	NCT NCU NCV	Buffalob Burrowsb
NBM		NCW	
NBN		NCX NCY	Caesarb
NBO		NCZ NDA	Californiab Castineb
NBP	Ammenb	NDB	Celticb
NBQ NBR	Annapolisb	NDC	
NBS		NDD	
NBT		NDE	
NBU NBV	Arethusa b Arkansas b	NDF NDG NDH	Chesterb Cheyenneb
NBW		NDI	Chicagob
NBX		NDJ	
NBY		NDK NDL	Cincinnati
$\mathbf{N}\mathbf{B}\mathbf{Z}$		NDM NDN	Clevelandb Coloradob
\mathbf{NCA}		NDO	1

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS-Continued.

Call	Station.	Call	Station.
signal.		signal.	
NDP NDQ	Connecticutb	NEY	
NDR		NEZ NFA NFB	Brooklynb Milwaukeeb
NDS		NFC NFD	Elcanob
NDT NDU	Culgoab	NFE NFF	Charleston
NDV		NFG	
NDW		NFH	
NDX NDY	Cyclopsb	NFI	
NDZ		NFJ NFK	
NEA		NFL	
NEB	· · · · · · · · · · · · · · · · · · ·	NFM	Fanningb
NEC		NFN	
NED		NFO	
NEE		NFP	
NEF NEG		NFQ NFR NFS	Floridab Flusserb
NEH		NFT NFU	Rangerb
NEI		NFV	Twanger
NEJ		NFW	•
NEK	Delawareb	NFX	
NEL NEM NEN	Denverb Des Moinesb	NFY	
NEO NEP NEQ	Dixieb	NFZ · NGA NGB	Columbiab Minneapolisb
NER	Dolphinb	NGC NGD	Galvestonb
NES NET	Drayton b	NGE NGF	Georgiab
NEU NEV	Dubuqueb	NGG NGH NGI	Glacierb Chattanoogab
NEW		NGJ NGK	Goldsboroughb
NEX		NGL	Mai biolicad

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Station.	Call signal.	Station.
NAO	Charleston, S. Cc	NCB	
NAP	St. Augustine, Flac	NCC	New Yorkb
NAQ	Jupiter, Flac	NCD	Texasb
NAR	Key West, Flac	NO	1exas
	Demonds Fla	NUE	+
NAS	Pensacola, Flac	NCE	D 3
NAT	New Orleans, Lac	NCF	Baileyb
NAU	San Juan, P. R		1
NAV	Port Royal, S. Cc	NCG	
NAW	Guantanamo Bay, Cubac	NCH	Baltimoreb
NAX	Colon, Panamac	NCI	
NAY			
		NCJ	
NAZ			
NBA	Darien, Panamac	NCK	1
		NCL	Bealeb
NBB		200	Beater
111111		NCM	
NBC		NCM	Birminghamb
NBC		147-14	Dirmingnam
NBD		NCO	
NBE		NCP	
NBF		NCQ	
NBG		NCR	
NBH	Ajaxb		
NBI	Alabamab	NCS	
NBJ	Albanyb		
	,	NCT	
NBK		NCU	Buffalob
NBL	Alertb	NCV	Burrowsb
NBM		NCW	
377337		37.037	
NBN		NCX	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	1.	NCY	Caesarb
NBO		\mathbf{NCZ}	Californiab
		NDA	Castineb
NBP	Ammenb	NDB	Celticb
NBQ		NDC	
NBŘ	Annapolisb		
11111	11mapons	NDD	
NBS		NDD	
1120		NDE	
NBT	1		
NBU	Arethusa b	NDF	1
NBV	Arkansas b	NDG	Chesterb
MDV	Atkansas	NDH	Cheyenneb
MDW		ATTOT	l Ol
NBW		NDI	Cnicago
NBX		NDJ	
].	NDK	
NBY		NDL	Cincinnati
-			Clevelandb
	1	NDM	Oleverand
NRZ			
NBZ		NDN	Coloradob

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
NDP NDQ	Connecticutb	NEY	
NDR		NEZ NFA NFB	Brooklynb Milwaukeeb
NDS		NFC NFD NFE	Eagleb Elcanob Charlestonb
NDT NDU	Culgoab	NFF	Charleston
NDV		NFG	
NDW		NFH	
NDX NDY	Cyclopsb	NFI	
NDZ	- Cyclops	NFJ	
NEA		NFK	
NEB		NFL NFM	Fanningb
NEC		NFN	
NED		NFO	
NEE		NFP	
NEF		NFQ NFR	Floridab
NEG		NFS	Flusserb
NEH		NFT NFU	Rangerb
NEI		NFV	
NEJ		NFW	•
NEK	Delawareb	NFX	
NEL NEM NEN	Denverb Des Moinesb	NFY	
NEO NEP NEQ	Dixieb Dolphinb	NFZ ' NGA NGB	Columbiab Minneapolisb
NER		NGC NGD	Galvestonb
NES NET	Draytonb Dubuqueb	NGE NGF	Georgiab
NEU NEV	Dubuque	NGG NGH	Glacierb
NEW		NGI NGJ	Chattanooga b Goldsborough b Marblehead b
NEX		NGK NGL	Marblenead
-1			

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Station.	Call signal.	Station.
NGM		NHZ	D. J. 1 23
NGN		NIA NIB	Bainbridgeb Jarvisb
NGO		NIC	Tuelde
NGP		NID NIE	Jenkinsb Jouettb
NGQ		NIF	
NGR		NIG NIH	Aylwinb
NGS NGT NGU	Hannibal b	NII NIJ NIK	Balch b Benham b Cassin b
NGV		NIL NIM NIN	Cummings b Cushing b Downes b
NGW NGX NGY	Hector b Helena b	NIO NIP NIQ NIR	Kansas b Kearsarge b Kentucky b Duncan b
NGZ NHA	Henleyb	NIS NIT	McDougalb
NHB NHC NHD NHE	Hopkins b Monadnock b Hull b	NIU NIV NIW NIX	Nicholson b O'Brien b Lamson b Parker b
NHF NHG NHH NHI	Amphitrite b Ozark b Hancock b	NIY NIZ NJA NJB NJC	Lawrence. b Lebanon b Winslow b Louisiana b Decatur. b
NHJ		NJD	
NHK		NJE ·	'
NHL		NJF	
NHM		NJG NJH	Macdonoughb
NHN NHO	Illinoisb	NJI	
NHP NHQ	Indianab	NJJ	
NHR		NJK NJL	Maineb
NHS NHT	Iowab	NJM	
NHU NHV	Irisb Iroquoisb	NJN	
NHW		NJO	
NHX NHY		NJP NJQ NJR NJS	Marietta b Mars b Maryland b

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
NJT NJU NJV NJW	Massachusetts. b Mayrant b Mayflower b McCall b	NLI NLJ NLK NLL NLL	Explorer b Pathfinder b Bache b Columbine b Cypress b
NJX		NLN	ojprose.
NJY NJZ NKA	Michigan	NLO	
NKB		NLP	
		NLQ	
NKC NKD	Minnesotab	NLR	
NKE		NLS	
NKF	Missourib	NLT	
NKG		NLU	
NKH		NLV	
NKI		NLW	
N KJ		NLX	
N KK N KL	Monaghanb	NLY	
N KM N KN N KO	Montana b Monterey b Montgomery b	NLZ NMA NMB	Nebraskab Nerob
NKP		NMC	Vestalb
NKQ NKR		NMD NME NMF	New Hampshire b New Jersey b
		NMG	New Orleansb
NKS		NMH	Newportb
NKT		NMI	
NKU		NMJ	
NKV		NMK	
NKW		NML	
NKX NKY NKZ NLA	Nashville b Navajo b Nantucket Shoals Lightship c	NMM NMN NMO	North Carolinab North Dakotab
NLB NLC NLD	Diamond Shoals Lightshipc Frying Pan Shoals Lightshipc Relief Lightship 66 or 85b	NMP	
NLE NLF	Relief Lightship 71 or 72b Kukuib	NMQ	
NLG NLH	Relief Lightship 94 or 53b Pattersonb	NMR NMS	Neptuneb

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LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Station.	Call signal.	Station.
NMT		NOF	
NMU		NOG	Paducahb
NMV	İ	ИОН	•••••
NMW	Ohiob	NOI NOJ	Pantherb
NMX		NOK NOL	Patterson b Patapsco b
NMY		NOM NON	Patuxent b Paulding b
NMZ NNA	Oregonb		1
NNB	Jasonb	NOO	Doub Toward
NNC	Jupiterb	NOP	Paul Jonesb
NND		NOQ	
NNE		NOR	
NNF	Nereusb	NOS	
NNG	Proteusb	NOT	Pittsburghb
NNH	Leonidasb	NOU	
NNI	- <u>-</u>	NOU	
NNJ	Justinb	NOV	
NNK	Nanshanb	NOW	Peoriab
NNL		NOX NOY	Perkinsb Perryb
NNM	Saturnb	NOZ	Petrelb
11111	Saturation	NPA	Cordova, Alaskac
NNN		NPB NPC	Sitka, Alaskac Puget Sound, Washc
NNO		NPD	Tatoosh, Washc
1110		NPE	North Head, Washc
NNP		NPF NPG	Cape Blanco, Oregc Yerba Buena, Calc
NNQ	l	NPH	Mare Island, Calc
1111 B		NPI	Farallons, Calc
NNR		NPJ NPK	Balboa, Panamac Point Arguello, Calc
NNS		NPL	San Diego, Calc
MIND		NPM	Honolulu, Hawaiic
NNT		NPN NPO	Guam, Marianne Isldsc Cavite, P. Ic
NNU		NPP	Peking, Chinac
MINU		NPQ	St. Paul, Pribilof Islds., Alaska.c
NNV		NPR NPS	Dutch Harbor, Alaskac Kodiak, Alaskac
NNW	[]	NPT	Olongapo, P. Ic
		NPU NPW	Tutuila, Samoa
NNX			,
NNY		NPX NPY	St. George, Pribilof Islds., Alaskac
NNZ NOA	Osceolab		1110000
NOA NOB	Abarendab	NPZ	
NOC	Orionb	NQA	
OD		NQB	
юЕ	1	NQC	1

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
NQD		NSC	
NQE NQF	Pompeyb	NSD	
NQG		NSE	
NQH		NSF	
•			
NQI NQJ	Isla de Luzonb	NSG	
NQK	Potomacb	NSH	
NQL	Machiasb	3707	
NQM	Prairie b	NSI	
NQN	Prebleb	3707	
NQO	Prestonb	NSJ	
NQP	Princeton b	NSK	Yanktonb
\mathbf{NQQ}	Monocacyb	NSL	Gloucesterb
\mathbf{NQR}	Prometheusb		!
NQS NQT	Palosb	NSM	
NQT	Pampangab	NSN	
NQU	·	1	
NQV	Sacramentob	NSO	
NQW		NSP	1
NOX	Yorktownb	NSQ	Smithb
NQX NQY	Albatrossb	NSR	Strangerb
21 46 2			
NQZ		NSS -	l
NŘA	Algonquinb	NST	Solaceb
NRB	Bear b	-1.02	
NRC	Morrill b	NSU	Vixenb
NRD	Androscogginb	NŠV	Waspb
NRE	Senecab	NŠW	South Carolinab
NRF	Snohomishb	NSX	South Dakotab
NRG	Greshamb		
NRH	McCullochb	NSY	1
NRI	Itascab		
NRJ	Ossipeeb	NSZ	l
21250	0222	NTA	Ontariob
NRK		NTB	Sterrettb
NRL	Tuscarorab	NTC	Stewartb
NRM	Mohawk b	NTD	Rainbow b
NRN	Manningb	NTE	Raleighb
NRO	Onondagab	NTF	St. Louisb
NRP	Apacheb	NTG	Sonomab
NRQ	Miamib		1
NRŘ	Pamlicob	NTH	
NRS	Seminoleb		
NRT	Thetisb	NTI	l
NRU	Acushnetb		
NRV	Tallapoosab	NTJ	
NRW	Windomb	NTK	Supplyb
NRX	Unalgab	NTL	Sylphb
NRY	Yamacrawb	l	
NRZ	New London, Connc	NTM	
		NTN	
NSA		1	
		NTO	
NSB	I	NTP	Salemb

Call signal.	Station.	Call signal.	Station.
NTQ NTR	San Franciscob Saratogab	NVC	
NTS		NVD	
NTT NTU	Scorpionb Reidb	NVE NVF	Utahb Uncasb
NTV		NVG	
NTW NTX	Rhode Islandb	NVH	
NTY		NVI	
NTZ NUA	Roeb Tacomab	NVJ NVK	Vermontb
NUB NUC	Tallahaeseeb	NVL	
NUD	Tananassee	NVM NVN	Vesuviusb Vicksburgb
NUE		NVO NVP	Villalobosb
NUF NUG	Tennesseeb	NVQ NVR	Virginiab
NUH NUI	Terryb	NVS NVT	Farragutb
NUJ		NVU	
NUK		NVV	
NUL		NVW	
NUM NUN	Tonapahb	NVX	
NUO		NVY	
NUP		NVZ	
NUQ	Trippeb	NWA	
NUR NUS	Truxtonb	NWB	
NUT		NWC	
NUU		NWD NWE	Warringtonb Washingtonb
NUV		NWF	West Virginiab
NUW NUX	Sotoyomob	NWG NWH NWI	West Virginiab Wheelingb Whippleb
NUY		NWJ	
NUZ		NWK NWL	Wilmingtonb Walkeb Wisconsinb
NVA		NWM	
NVB	1	NWN	1

Call signal.	Station.	Call signal.	Station.
NWO NWP NWQ	Worden b Wyoming b	NXW NXX NXY	F-3b F-4b G-1b
NWR	Wyomang	NXZ NYA	G-2b G-3b
NWS		NYB NYC	G-4b H-1b
NWT		NYD NYE	H-2b H-3b
NWU		NYF NYG	K-1b K-2b
NWV		NYH NYI	K-3b K-4b
NWW		NYJ NYK	K-5b K-6b
NWX		NYL NYM	K-7b K-8b
NWY		NYN	
NWZ		NYO	
NXA		NYP	· · · · · · · · · · · · · · · · · · ·
NXB		NYQ	
NXC		NYR	
NXD		NYS	
NXE		NYT	
NXF		NYU	
NXG		NYV	
NXH		NYW	
NXI		NYX	
NXJ		NYY	
NXK		NYZ	
NXL		NZA	
NXM		NZB	
NXN		NZC	
NXO		NZD	
NXP	·····	NZE NZF	
NXQ		NZG	
NXR NXS	E-1b	NZH	
NXT NXU	E-2b F-1b	NZI	
NXV	F–2b	NZJ	l

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
NZK		WAX	
NZL		WAY WAZ	Admiral Deweyb Admiral Schleyb
	•	WBA	Santa Clarab
NZM		WBB WBC	Santa Cecilia b Santa Catalina b
NZN		WBD	Santa Cruzb
NZO		WBE WBF	Caciqueb Boston, Massc
NZP		WBG	·
		-	
NZQ		WBH WBI	D., L. & W. R. R. limited
NZR			trainc
NZS		WBJ	
NZT		WBK	Breakwaterb Buffalo, N. Yc
		WBL WBM	Redondob
NZU		WBN	
NZV		WBO	Nann Smithb
NZW		WBP	Hermosab
NZX		WBQ	
NZY	Washington, D. Cc	WBR	
NZZ		WBS WBT	Baltimore, Mdc Binghamton, N. Yc
WAA WAB	Alamedab	WBU	Hoboken, N. J
WAC	Admiral Evansb Chicagob	WBV WBW	Cabrillob Burrwood, Lac
WAD WAE	Victoriab Edithb	WBX	Dover, N. J
WAF	Admiral Farragutb	WBY	
WAG		WBZ	
WAH WAI	Dorab Latoucheb	WCA	Tionestab
WAJ	Jeffersonb	WCB WCC	Juniatab South Wellfleet, Massc
WAK		WCD	Octorarab
WAL.	Santa Anab	WCE	
WAM		WCF	Favoriteb
WAN	Northwesternb	WCG WCH	Brooklyn, N. Yc Boston, Massc
WAO		WCI	Newport, R. Ic
WAP		WCJ	
WAQ		WCK	
WAR	Cordovab	WCL	
WAS		WCM	Calumet, Michc
WAT		WCN	North Landb
WAU	Dolphinb	wco	
WAV WAW	Seward b Admiral Watson b	WCP	

Station				
WCR The Harvester. b WEO South American b WCS WCT WEQ WEQ WCU WCW WER WES WCV Nokomis b WES WCX Cleveland, Ohio. c C WCZ Illinois. b WET WDA Pere Marquette. b WEU WDB Pere Marquette. b WEW WDD Pere Marquette. b WEX WDD Pere Marquette. b WEX WDD Pere Marquette. b WEX WDF WEY Alvina. b WDF WEY Alabama. b WDA WFA Alabama. b WDD WFA Alabama. b WDA WFB Alabama. b WDA WFA WFC Carolina. b WDA Ann Arbor No. 3. b WFF WFF		Station.	Call signal.	Station.
WCU				North Americanb South Americanb
WCU	wcs		WEP	
WCU WCV WCV WCW WCX Cleveland, Ohio. C WET	\mathbf{WCT}		WEQ	
WCV Wow Wokomis.	WCU		WER	
WCX Cleveland, Ohio.			WES	
WCZ Illinois b WDA Pere Marquette b WDC Pere Marquette b WDD Pere Marquette b WDD Pere Marquette b WDF WEX Marquette & Bessemer No. 2. b WDF WEX Marquette & Bessemer No. 2. b WDF WEX Marquette & Bessemer No. 2. b WDG WFA Ashtabula. b WDF WFA Ashtabula. b WDD WFB WFG Ashtabula. b WFB WFB WFG Ashtabula. b WFB WFB WFB Ashtabula. b WFB WFB WFB WFB Ashtabula. b WFD WFB WFF WFF Carolina. b WDJ WDM WFF WFG Arizona. b WDD Ann Arbor No. 5. b WFT Chicago. b WDA WDE <td< td=""><td>\mathbf{wcx}</td><td>Cleveland, Ohio</td><td> </td><td>1</td></td<>	\mathbf{wcx}	Cleveland, Ohio		1
WDA Pere Marquette 9		Cape May, N. J b		
WDC Pere Marquette 17	WDA	Pere Marquetteb	WEU	
WDD Pere Marquette 18 b WEX Marquette & Bessemer No. 2. b WDF WDF WEY Alvina b WDG WFA WFA Ashtabula b WDH WFA WFA Alabama b WDJ WFD WFD Alabama b WDK WDL Lakeland b WFF WDM Lakeland b WFF WDD Ann Arbor No. 3 b WFF WDD Ann Arbor No. 4 b WFF WDD Ann Arbor No. 5 b WFF WDR WDR WFR Christopher Columbus b WDR Detroit, Mich c C WFL WDV WDR WFR WFR Fort Morgan, Ala c City of Grand Rapids b WFN WFN Sataland b WDV WDW WFO WFO City of Benton Harbor b WFO WFR Seeandbee <td></td> <td>Pere Marquette 17 h</td> <td></td> <td></td>		Pere Marquette 17 h		
WDF		Pero Marquetto 18		Marquette & Bessemer No. 1. b
WDF		Pere Marquette 20 h		Marquette & Bessemer No. 2. b
WDG		<u>-</u>		Alvinab
WDH WDI	WDF			Ashtabulab
WDH	WDG			Georgiab
WDI				Alabamab
WDK WDL Lakeland b WFF WDL Lakeland b WFF WDM Duluth, Minn c WFG WFG Arizona b WFD Ann Arbor No. 3 b WFH Virginia b WDM Ann Arbor No. 5 b WFI Chicago b WFK Chicago b WFK WFK Chirastopher Columbus b WFK WFK Chirastopher Columbus b WFK WFK Chirastopher Columbus b WFK WFK Frankfort, Mich c WDD WITH Chirastopher Columbus b WFM WFM Eastland b WFM Eastland b WFM Eastland b WFM WFM Eastland b WFM WFM WFM State of Ohio b WFR WFR State of Ohio b WFR WFM State of Ohio b WFM WFM WFM WFM State of Ohio b WFM	City of South Havenb		Indianab	
WDK WDL Lakeland b WFF WDM Duluth, Minn c WFG Arizona b WDO Ann Arbor No. 3 b WFH Virginia b WDO Ann Arbor No. 5 b WFI Chicago b WDQ WFK WFK Christopher Columbus b WDW Detroit, Mich c WFL WFK WDS City of Grand Rapids b WFM Fort Morgan, Ala c WDV City of St. Joseph b WFN WFN Eastland b WDV Duritan b WFO WFP City of Eric b WDW Holland b WFP WFP City of Benfalo b WDX Lydonia WFS WFR State of Ohio b WDZ WEA City of Gleveland III b WFT WEA City of Detroit III b WFY WFW WEB	WDJ			
WDL Lakeland b WFF Arizona b WDN Ann Arbor No. 3 b WFH Virginia b WDO Ann Arbor No. 4 b WFI Chicago b WDP Ann Arbor No. 5 b WFI Chicago b WDQ WFK WFI Chicago b WDR Detroit, Mich c C WFL WDT City of Grand Rapids b WFN Fort Morgan, Ala c WDT City of St. Joseph b WFN WFN Eastland b WDV City of Benton Harbor b WFP WFP City of Erie b WDX WDX WFQ City of Buffalo b WFR WDZ WFZ WFT WFT WFT WEA City of Mackinac II b WFV WED City of Detroit III b WFY WED City of St. Ignace b WFZ <	WDK		WIL	Caronna
WDM			WEE	
WDN WDO Ann Arbor No. 3. b WFH WFH Chicago. Virginia. b Chicago. b Christopher Columbus. b Castaland. b City of Benton Harbor. b WFP WFR WFR		Duluth Minn c		
WDO Ann Arbor No. 4 b WFI Chicago b WDQ WDR Detroit, Mich c WFK Frankfort, Mich c WDB City of Grand Rapids b WFM WFM Fort Morgan, Ala c WDV City of St. Joseph b WFN WFN Eastland b WDV City of Benton Harbor b WFO WFO City of Erie b WDX WDX WFR WFR City of Buffalo b WDZ WEA City of Cleveland III b WFT WEA City of Detroit II b WFU WED Western States b WFV WEE Eastern States b WFY Missouri b WEF City of Detroit III b WFY WFY Missouri b WEF City of Alpena II b WGA City of Seattle b WEL Minnesota b WGD W		Ann Arbor No. 3		
WDP Ann Arbor No. 5 b WFJ WFK Christopher Columbus. b WDR Detroit, Mich. c WFL WFL WFL WFT WFT WFT WFT WFT WFT WFT WFT WFO				
WDQ				
WDQ				Frankfort, Mich
WDR	$\mathbf{W}\mathbf{D}\mathbf{Q}$			
WDS	WDŘ	Detroit, Mich	WFL	
WDU	\mathbf{WDS}	City of Grand Rapidsb	WFM	Fort Morgan, Alac
WDU		City of St. Josephb	WFN	Eastlandb
WDW	$\mathbf{W}\mathbf{D}\mathbf{U}$	Puritanb		
WFQ		City of Benton Harborb		
WDX	WDW	Hollandb		City of Erieb
WDY Lydonia b WFS Seeandbee b WDZ WFT WFT WEA City of Cleveland III b WFT WEB City of Mackinac II b WFU WEC City of Detroit II WFV WFW WEE Eastern States WFX Missouri b WEG City of Detroit III WFX Missouri b WEH City of Alpena II WFZ WGA City of Seattle WEJ Minnesota WGB WGC WGD	Tree		WFQ	
WDZ				
WEA City of Cleveland III. b WFU WEB City of Mackinac II. b WFU WEC City of Detroit II. b WFV WEE Eastern States b WFW Manitou. b WEF City of Detroit III. b WFX Missouri. b WEG City of St. Ignace b WFY Sialia. b WEI WGA City of Seattle b WEJ WGB WGC WEL WGD WGD	WDY	Lydoniab	WFS	Seeandbeeb
WEA City of Cleveland III. b WFU WEB City of Mackinac II. b WFU WEC City of Detroit II. b WFV WEE Eastern States b WFW Manitou. b WEF City of Detroit III. b WFX Missouri. b WEG City of St. Ignace b WFY Sialia. b WEI WGA City of Seattle b WEJ WGB WGC WEL WGD WGD	WDZ		WFT	
WEB WEC City of Mackinac II b WFU WED Western States b WFV WEF City of Detroit III b WFW Manitou b WEG City of St. Ignace b WFY Missouri b WEH City of Alpena II b WFY WFY Sialia b WEJ WEK Minnesota WGA City of Seattle b WEL WGD WGD WGD WGD		City of Cleveland IIIb	''	
WEC City of Detroit II. b WFV WFV WFV WFV WFV WFV Manitou b WFW Missouri b WFX Missouri b WFX WFX Missouri b WFX WGA City of Seattle b WGA City of Seattle b WGB WGC WGD WGD<		City of Mackinac IIb	WFU	l
WED Western States b WFV WEE Eastern States b WFW WFW WEF City of Detroit III b WFX Missouri b WEH City of St. Ignace b WFY Sialia b WEI WGA City of Seattle b WEJ WGB WGB WEL WGC WGD	WEC	City of Detroit IIb		
WEE Eastern States b WFW WFX WFX Manitou b WEG City of St. Ignace b WFY Sialia b WEI WFZ WGA City of Seattle b WEJ Winnesota b WGC WGC WEL WGD WGD WGD WGD	WED		WFV	
WEF City of Detroit III b WFX Missouri b WEG City of St. Ignace b WFY Sialia b WEI WGA City of Seattle b WEJ WGB WGC WEL WGD WGD		Eastern States b	WFW	Manitoub
WEH City of Alpena II b WFZ WEI WGA City of Seattle b WEJ WGB WGC WGC WEL WGD WGD WGD		City of Detroit IIIb	WFX	Missourib
WEH City of Alpena II	WEG	City of St. Ignaceb	WFY	Sialiab
WEJ WGA City of Seattle b WEK Minnesota b WGC WGD	WEH	City of Alpena IIb	WEG	
WEL Minnesotab WGC WGD	WEI			City of Seattleb
WEL Minnesotab WGC WGD	WEI		WGB	
WEL WGD			ľ	
WEM WGD Spokaneb	WEL		i	
	WEM	<u> </u>		Spokaneb

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
WOF		WIA	
WGF		WIA	••••••
WGG	Tuckerton, N. Jc		
WGH	Grand Haven, Michc	WIB	•••••
WGI		WIC	
WGJ		WID	Charles E. Harwoodb Edward L. Dohenyb
WGK		WIF	Herbert G. Wylieb Norman Bridgeb
WGL		WIH	C. A. Canfieldb Belmar, N. Jc
		WIJ	
WGM		WIK	Olson & Mahonyb
WGN		WIL	Jim Butlerb
WGO	Chicago, Illc	WIM	Northern Pacificb
	Duraidant	WIN	
WGP	Presidentb	AN TIA	Colusab
$\mathbf{W}\mathbf{G}\mathbf{Q}$	City of Pueblab	l	
WGŘ	Governorb	WIO	
WGS	Senatorb		
		11777	
\mathbf{WGT}	Congressb	WIP	
WGU	Umatillab	1	
WGV	Galveston, Tex	WIQ WIR	Great Northernb
WGW	1	WIS	E. R. Sterlingb
		1 115	1. 1. Sterring
$\mathbf{W}\mathbf{G}\mathbf{X}$	Queenb		
WGY	City of Topekab	WIT	
\mathbf{WGZ}	Guardianb	WIU	Restorerb
WHA	Cape Hatteras (Buxton), N. C.c		
WHB	Name Variable Na	WIV	
WHC	New York, N. Y		
	1	WIW	
$_{\mathbf{WHD}}^{\mathbf{WHD}}$	Philadelphia, Pac	WIX	St. Petersburg, Flac
	_ ´ ′	WIY	
WHF		WIZ	Benton Harbor, Michc
	W. B. Flintb	1112	Donon Harbor, Mich
WHG		77774	1
\mathbf{WHH}	St. Francesb	WJA	
$\mathbf{w}\mathbf{H}\mathbf{y}$	New York, N. Yc		
\mathbf{WHJ}	Sierrab	WJB	
WHK	New Orleans, Lac		
WHL	Venturab	WJC	
WHM	Sonomab	WID	
WHN		1130	
WHO	Colon b	WJE	
		11.975	
$f WHP \ WHQ$	Mariposab Mackinac Island, Michc	WJF	
•		l	
WHR WHS	Adeline Smithb	WJG	
		WJH	l
WHT WHU	Whittierb Balboab		
WHV		WJI	
*******		WJJ	
WHW WHX	Humboldtb	WJK	
WHY		WJL	••••••
WHZ	ا ۱ ا	WJM	

Call signal.	Station.	Call signal.	Station.
WJN		WLH WLI	Iaquab
WJO		WLJ	•
WJP		WLK	
WJQ		WLL	
WJR		WLM	Huntington Harbor, North- port, N. Yc
WJS		WLN WLO	Newton, Massc Hull, Massc
WJT		WLP	iruii, mass
$\mathbf{W}\mathbf{J}\mathbf{U}$		WLQ	
WJV	Habeleen N. T.	WLR	
WJW WJX	Hoboken, N. Jc Jacksonville, Flac		
WJY		WLS	
WJZ		WLT	
WKA WKB	Alaskan b Arizonan b	WLU	
WKC WKD	Californianb Dakotanb	WLV	
WKE WKF	Kentuckianb Americanb	WLW	
WKG WKH	Georgian	WLX	
WKI WKJ	Isthmianb	WLY	
$rac{ extbf{WKK}}{ extbf{WKL}}$	Kansanb Mexicanb	WLZ WMA	Multnomahb
WKM WKN	Minnesotan b Montanan b	WMB WMC	Mobile, Alac William Chathamb
WKO WKP	Oregonian b Pennsylvanian b	WMD	
WKQ WKR	Ohioan b Panaman b	WME WMF	Milwaukee, Wisc Celilob
WKS WKT	Columbian b	WMG	Wapamab
WKU WKV	Hawaiian b Virginian b	WMH WMI	Minnesotab
WKW	, and a second	WMJ	
WKX WKY	Missourianb Nebraskanb	WMK WML	Hyadesb
WKZ	Nevadanb	WMM WMN	Hilonianb
WLA		WMO WMP	Enterprise b Wilhelmina b Matsonia b
WLB	New London, Connc	WMQ	Manoab
f WLC	Ludington, Michc	WMR	
WLE		WMS	
WLF		WMT	
WLG	Richardb	WMU	'

Call signal.	Station.	Call signal.	Station.
WMV		WON	
WMW	Manitowoc, Wisc		
WMX	Manistique, Michc	woo	
WMY	Yucatanb	1	
WMZ		WOP	
44 11123		woo	
WNA		WOR	Californiab
WNB		wos	
WNC	Carlosb	WOT	Coalingab
WND	Windberb	wou	Oregonb
WNE		wov	Venetie
	Nushagakb	WOV	Venetiab
WNF	Hattie Luckenbachb	wow	
WNG			
WNH	Lewis Luckenbachb	wox	
WNI		WOY	
WNJ	Navajob		1
WNK	Al-Kib	WOZ	
\mathbf{WNL}	Diamond Headb		
WNM	Florence Luckenbachb	WPA	Santa Cruzb
WNN	Corwinb	WPB	l
WNO	Pavlofb	WID	
WNP	Pleiadesb	WPC	
		WPD	Tampa, Flac
WNQ		WPE	Tatooshb
WNR		WPF	
WNS	Kvichakb	WPG	Goliahb
	N V N V		S. M. Fischerb
WNT	New York, N. Yc	WPH	S. M. Fischer
WNU	New Orleans, Lac	WPI	
WNV	Portlandb		
WNW	San Ramonb	WPJ	
WNX	Northlandb	TUDIC	
WNY	St. Helensb	WPK	•••••
WNZ		WPL	
WOA	Despatchb	WPM	
WOB		WIN	[
woc		WPN	
		WPO	
WOD		WPP	
WOE		WPQ	Zaporab
W O13		WPŘ	Ensenada, P. R
WOF	•	WPS	Starrb
		WPT	Tilicumb
WOG	. <u>.</u>		
\mathbf{WOH}	Expansionb	WPU	
WOI	Akron, Ohioc		
****	1	WPV	
WOJ			
WOK	Detroit, Michc	WPW	
		WPX	Oneontab
WOL		WPY	Wallulab
	1	WPZ	

Call signal. Station. Call signal. Station. WQA WRN WRO Isle Royal, Mich. WQB WRO Isle Royal, Mich. WQC Camino. b WRP WQD WRQ WRR WQE WRR Roanoke WRY WRU WRU WQG WRV Port Arthur, Tex WQH WRY Yale WQJ WRX WRY WQL WSA Ashtabula, Ohio WQL WSC Siasconset, Mass. WQM WSD Stanley Dollar	
WQB WRO Isle Royal, Mich. WQC Camino. b WRP WQD WRQ WRR Roanoke WQF WRT Geo. W. Elder Port Arthur, Tex WQG WRV Alliance F. A. Kilburn WQH WRY Yale WQJ WRZ WRZ WQK WSA Ashtabula, Ohio WQL WSC Siasconset, Mass WQM WSD Stanley Dollar	
WQB WQC Camino b WRP WQD WRQ WRQ WQE WRR Roanoke WRS WRT Geo. W. Elder WRU WRV Port Arthur, Tex WRW WRW F. A. Kilburn WQH WRX WRY WQJ WRZ WRZ WQK WSA Ashtabula, Ohio WQL WSC Siasconset, Mass WQM WSD Stanley Dollar	
WQD WRQ WRQ WQF WRS Santa Clara WQF WRU Geo. W. Elder WQG WRV Alliance WQH WRW F. A. Kilburn WQJ WRX WRY WQK WRZ Yale WQL WSA Ashtabula, Ohio WQM WSD Siasconset, Mass WQM WSD Stanley Dollar	
WQE WRR Roanoke WQF WRS Santa Clara WQG WRU Geo. W. Elder WQW WRV Alliance WQH WRW F. A. Kilburn WQJ WRX Yale WQK WSA Ashtabula, Ohio WQL WSC Siasconset, Mass WQM WSD Stanley Dollar	• • • •
WQF WRT Geo. W. Elder WQG WRU Port Arthur, Tex. WQH WRW F. A. Kilburn WQJ WRX WRY WQJ WRZ Yale WQK WSA Ashtabula, Ohio WQL WSC Siasconset, Mass WQM WSD Stanley Dollar	b
WQG WRV Alliance. WQH WRW F. A. Kilburn. WQI Costa Rica b WRX WQJ WRZ Yale. WQK WSA Ashtabula, Ohio. WQL WSC Siasconset, Mass. WQM WSD Stanley Dollar.	b
WQH WQI Costa Rica b WRX Yale WQJ WRZ WRZ WRZ Ashtabula, Ohio WQL WSA WSC Siasconset, Mass WQM WSD Stanley Dollar	b
WQJ WQK WQK WRZ WSA Ashtabula, Ohio WSB WSC WSC Siasconset, Mass WSD Stanley Dollar	
WQK WSA Ashtabula, Ohio WQL WSB WSC Siasconset, Mass WQM WSD Stanley Dollar	
WQL WSB WSC Siasconset, Mass. WSD Stanley Dollar	.
WQM WSC Siasconset, Mass WSD Stanley Dollar	с
WQM [WSD Stanley Dollar	
	b
WSE Seagate, N. Y	с
WQN WSF Grace Dollar. WSG Norwood	b
WQO WQP Canton, Ohio WSH	
WQQ WSI Sault Ste. Marie, Mich WSJ John A. Hooper	b
WSK Sagaponack, N. Y	с
WQR WQS Speedwell WSL Sayville, Long Island, N. Y	с
WQT WSM Centralia.	
WQU WSO Coronado	
WQV Mt. Vernon, Ohio WSP	·
WQW WSQ WSR Reuce	
WQX WSS St. Nicholas.	
WQY Yosemiteb WST Miami, Fla	с
WQZ WSU Savannah, Ga	
WRA Henry T. Scott b WSW Willamette	b
WRB Berlin	b
WRC J. B. Stetsonb WSY Virginia Beach, Va	С
WRD WSZ WRE J. A. Moffett. WTA Erskine M. Phelps.	
WTB Argyll	b
WRF WTC Lansing	b
WRG Passagrilla, Fla	
WRI Paraiso. b WTF Santa Maria.	
WRJ Arolineb WTG Santa Rita	b
WRK Washtenaw	10
WRL Mukilteo b WTI	• • • •
WRM WTJ WTK J. A. Chanslor	

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Station		,		
WTM W. S. Porter. b WVT Malabang, P. I. c WTO Frank H. Buck b WVV WVV C Puerto Princesa, P. I. c C WVV C Puerto Princesa, P. I. c Puerto Princesa, P. I. c C Puerto Princesa, P. I. c WV San Joso, P. I. c C C C C C C C C C C C C C C C C C C <		Station	Call signal.	Station.
WTM W. S. Porter. b WVT Malabang, P. I. c WTO Frank H. Buck b WVV WVV C Puerto Princesa, P. I. c C WVV C Puerto Princesa, P. I. c Puerto Princesa, P. I. c C Puerto Princesa, P. I. c WV San Joso, P. I. c C C C C C C C C C C C C C C C C C C <	WTI.	Lyman Stawart h	wvg	Jolo P I
WTN Wm. F. Herrin. b WVU Manila, P. I. c c WTP Brank H. Bluck b b WVV Cuperto Princesa, P. I. c c WWW Cuperto Princesa, P. I. c c WWW Cuperto Princesa, P. I. c c WWW Cuperto Princesa, P. I. c c Zamboanga, P. I. c c Zamboanga, P. I. c C Zamboanga, P. I. c C WW XuV San Jose, P. I. c C C Cuperto Princesa, P. I. Cuperto Princesa, P. I. c Cuperto Princesa, P. I. Cuperto Princesa, P. I. Cuperto Princesa, P. I.				Malahang P I
WTO Frank H. Buck b WVV WVW Puerto Princesa, P. I. c WTQ El Segundo b WXX Cuyo, P. I. c WTB Richmond b WXY Cuyo, P. I. c WTD S. O. Co. No. 91 b WXY San Jose, P. I. c WTV Captain A. F. Lucas b WWA Clina. b WTY S. O. Co. No. 93 b WWB Beaver. b WTY S. O. Co. No. 93 b WWE WWE Bear. b WTY S. O. Co. No. 93 b WWE WWE CWUE Fort Andrews, Mass. c WWE CWVE CWVE GUy of Sydney. b WWE CWYE CWYE GUy of Sydney. b WWI WWI WWI WWI CWYE CWYE <td< td=""><td></td><td></td><td></td><td></td></td<>				
WTP BCranton, Pa. c WWW Zamboanga, P. I. c WTR Richmond b WYX Cuyo, P. I. c WTB Col. E. L. Drake b WYY San Jose, P. I. c WTU S. O. Co. No. 91 b WWA WWA China b WTV S. O. Co. No. 91 b WWA WWA China b WTY S. O. Co. No. 93 b WWB Bear b WTZ S. O. Co. No. 95 b WWB Bear b WTZ S. O. Co. No. 95 b WWB Bear b WUZ Fort Andrews, Mass. c WWF City of Pyana. b WUD Fort Andrews, Mass. c WWG WWG City of Sydney. b WUC Fort Hancock, N. J. c WWG WWG City of Sydney. b WUE Fort Monroe, Va c WWL WWL Newport. b	WTO			Puerto Princesa, P. I. C.
WTQ El Segundo b WVX Cuyo, P. I. c WTR Richmond b WVY San Jose, P. I. c WTS Col. E. L. Drake b WVY San Jose, P. I. c WTV S. O. Co. No. 91 b WWA China b WTV S. O. Co. No. 91 b WWB Beaver b WTY S. O. Co. No. 93 b WWD WWD Bear b WTY S. O. Co. No. 95 b WWD Bear b WUA Fort Andrews, Mass. c WWF WWF Gity of Sydney b WUB Fort Hancock, N. J. c WWG WWG City of Sydney b WUE Fort Hancock, N. J. c WWG WWG Newport b WUB Fort Hancock, N. J. c WWG WWG WWG WWG WUB Fort Hancock, N. J. c WWW WWW Newport b <td></td> <td></td> <td></td> <td>Zamboanga, P. I</td>				Zamboanga, P. I
WTR Richmond b WVY San Jose, P. I. c WTD X Alas b WVZ WTU S. O. Co. No. 91 b WWA WTV WWD WWB Beaver b WTW WYZ S. O. Co. No. 93 b WWD Beaver b WTZ S. O. Co. No. 93 b WWD Bear b WWB WTZ S. O. Co. No. 93 b WWD Bear b WWB Bear b WUZ Fort Andrews, Mass. c WWE WWF City of Sydney. b WUB Fort Andrews, Mass. c WWG WWG City of Sydney. b WUD Fort Levett, Me. c WWI WWI Newport. b Pennsylvania. b Peru. b WWI Newport. b WWI San Juan b WWW San Juan b WWW San Juan b WWW San Juan b				Cuyo, P. Ic
WTS Col. E. L. Drake b WYZ WYZ WTU S. O. Co. No. 91 b WWA China b WTV Captain A. F. Lucas b WWB Beaver b WTY S. O. Co. No. 93 b WWD WWD Beaver b WTY S. O. Co. No. 95 b WWD WWD Bear b WUA Fort Androws, Mass. c WWF Guty of Sydney b WUC Fort Hancock N. J. c WWG City of Sydney b WUC Fort Hancock N. J. c WWI Newport b WUE Fort Hancock N. J. c WWI Newport b WUE Fort Hancock N. J. c WWI Newport b WUE Fort Hancock N. J. c WWW WWW Newport b WUE Fort Leavenworth, Kans c WWK WWW San Joan			WVY	San Jose, P. Ic
WTU			1	,
WTY	WTT	Atlasb	WVZ	
WTW				
WTX Asuncion. b WWC WTY S. O. Co. No. 93. b WWD Bear. b WTZ S. O. Co. No. 95. b WWE MWB Manchuria. b WUA Fort Andrews, Mass. c WWF CWUF CUty of Para. b WUD Fort Andrews, Mass. c WWG CUty of Para. b WUD Fort Leavenworth, Kans. c WWI Pennsylvania. b WUE Fort Leavenworth, Kans. c WWI Pennsylvania. b WUF Fort Monroe, Va. c WWL Korca. b WUH Fort Monroe, Va. c WWL Korca. b WUH Fort Riley, Kans. c WWW WWN WWN WUH Fort Sam Houston, Tex. c WWO WWO Aztec. b WUK Fort Stevens, Oreg. c WWO WWP WWP WWP WWP WWP WWP <td< td=""><td></td><td></td><td>wwb</td><td>Beaverb</td></td<>			wwb	Beaverb
WTY S. O. Co. No. 93. b WWD WWD Bear. b WUZ Fort Andrews, Mass. c WWF WWF City of Para. b WUB Fort Hancock, N. J. c WWG WWF City of Sydney b WUD Fort Hancock, N. J. c WWI Newport. b WUD Fort Leavenworth, Kans. c WWI Newport. b WUE Fort Monroe, Va. c WWI WW Pennsylvania. b WUG Fort Monroe, Va. c WWL WWL San Jose. b WUI Fort Monroe, Va. c WWL WWW San Juan. b WUI Fort Riley, Kans. c WWW WWW WWO WWR WUI Fort Riley, Kans. c WWW WWW WWO WW WWO WW WW WW WWO WW WW WWO WW WW WW WW WW				
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WUA Fort Andrews, Mass. c WWF City of Para. b WUB Fort Hancock. N. J				
WUB Fort Hancock, N. J. c WWG City of Sydney. b WUD Fort Leavenworth, Kans. c WWI Newport. b WUF Fort Levett, Me. c WWJ Pennsylvania b WUF Fort Monroe, Va. c WWL San Jose. b WUH WUI Fort Riley, Kans. c WWL San Juan. b WUI Fort Sam Houston, Tex. c WWW WWN San Juan. b WUI Fort Stevens, Oreg. c c WWW WWO WWP WU Fort Worden, Wash. c WWW WWW Aztec. b WUP Washington, D. C. c c WWW WWW WU W Worden, Mashington, D. C. c www WWW Siberia b WUU Fort Rosecrans, Cal. c www www www Siberia b WUU Fort Adams, R. I. c www www				Manchuriab
WUC Fort H. G. Wright, N. Y. c WWIH Newport. b WUE Fort Levett, Me. c WWJ Penu. b WUF Fort Levett, Me. c WWW WWI Peru. b WUF Fort Monroe, Va. c WWK Korca. b WUH Fort Monroe, Va. c WWK Korca. b WUH Fort Monroe, Va. c WWK San Joso. b WUH Fort Riley, Kans. c WWO WWN Mongolia. b WUT Fort Stevens, Oreg. c WWO WWO Aztec. b WUM Fort Worden, Wash. c WWW WWW Aztec. b WUP Worden, Washington, D. C. c c WWW WWS WWS WUR Fort Morgan, Ala. c WWT WW Siberia. b WUT Fort Adams, R. I. c WWW WWW WW WU				City of Parab
WUD Fort Leavenworth, Kans. c WWI Pennsylvania. b WUF Fort Levett, Me. c WWJ Pennsylvania. b WUF Fort Monroe, Va. c WWK WWL San Joseo. b WUH Fort Riley, Kans. c WWN San Juan. b WUI Fort Stevens, Oreg. c WWO WWO WUL Fort Stevens, Oreg. c WWO WUL Fort Wooden, N.Y. c WWP WUN Fort Worden, Wash. c WWW WUO Fort Worden, Wash. c WWW WUP Washington, D. C. c WWS WUR Fort Rosecrans, Oal. c WWW WUV Fort Rosecrans, Oal. c WWW WUV Fort Adams, R. I. c WWW WUV Fort Leavenworth, Kans. c WWW WUV Fort San Jacinto, Tex. c WWW WUV Fort San Jacint		Fort Hancock, N. J		
WUE Fort Levett, Me c WWJ Pern. b WUF Fort Monroe, Va c WWK WWK Korea b WUH Fort Monroe, Va c WWK WWK San Joso b WUH Fort Riley, Kans c WWW WWN Mongolia b WUI Fort Sam Houston, Tex c WWO WWW Mongolia b WUL Fort Sam Houston, Tex c WWO WWW Aztec b WUL Fort Wooden, N. Y c WWQ WWR Rose City b WUO Fort Worden, Wash c WWW WWR Rose City b WUD Washington, D. C c WWS WWW WW WW WUT Fort Morgan, Ala c WWW WW Siberia b WUT Fort Adams, R. I c WWW WWW WWW WWW WUT Fort Crockett, Tex c				
WUF				
WUH WUL San Jose b WUI Fort Riley, Kans C WWN WWN WUI Fort Riley, Kans C WWN WWN WUK Fort Stevens, Oreg C WWO WWO WUM Fort Wood, N. Y. C WWP WWP WUN Fort Worden, Wash. C WWR Rose City b WUO Fort Worden, Wash. C WWR WWR Rose City b WUV Fort Worden, Wash. C WWW WWR Rose City b WUV Fort Worden, Wash. C WWW WWR Rose City b WUV Washington, D. C C WWW WW WW Siberia b WUT Fort Rosecrans, Cal C WWT WWU Siberia b WUT Fort Adams, R. I C WWW WWW WWW WWW WUT Fort Crockett, Tex C WWW WWX				Koron b
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WUK Fort Stevens, Oreg. c WWD WUL Fort Totten, N. Y. c WWP WUN Fort Wood, N. Y. c WWP WUN Fort Worden, Wash. c WWR WUD Washington, D. C. c WWS WUR Fort Morgan, Ala. c WWT WUS Fort Morgan, Ala. c WWT WUS Fort Morgan, Ala. c WWT WU Fort Rosecrans, Cal. c WWT WU Fort Adams, R. I. c WWW WUV Fort Leavenworth, Kans. c WWW WUY Fort Crockett, Tex. c WWW WUY Fort San Jacinto, Tex. c WWX WVB Fairbanks, Alaska. c WWX WVD Fort Egbert, Alaska. c WWA WVF Kotlik, Alaska. c WXA WVF Kotlik, Alaska. c WXD WVF Kotlik, Alaska. <			*****	220,202
WUL Fort Totten, N. Y. c WWP WWP Aztec. b WUN Fort Worden, Wash. c WWQ WWR Rose City. b WUP Washington, D. C. c c WWS WWS WUR Fort Morgan, Ala. c WWT WWT WWT WUS Fort Rosecrans, Cal. c WWT WWU Siberia b WUT WUT Fort Adams, R. I. c WWW WWU Siberia b WUT Fort Leavenworth, Kans. c WWW WWW WWW WWW WUX Fort Crockett, Tex. c WWW WWW WWW WWW WUX Fort Crockett, Tex. c WWY WWX WWX WWX WWX WVA Fort Crockett, Tex. c WWY WWX WXX WWX <td></td> <td></td> <td>wwo</td> <td> </td>			wwo	
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WUO Fort Winfield Scott, Cal				Aztecb
WUP Washington, D. C. C WWS WUR Fort Morgan, Ala. C WWT WUS Fort Rosecrans, Cal. C WWT WUT WU Fort Rosecrans, Cal. C WWT WU Fort Rosecrans, Cal. C WWV WWU WU Fort Rosecrans, Cal. C WWV WWU WU Fort Rosecrans, Cal. C WWV WWV WU Fort Adams, R. I. C WWV WWW WUV Fort Leavenworth, Kans. C WWW WWW WUX Fort Crockett, Tex. C WWW WWW WUZ Brort Crockett, Tex. C WWX WWX WUZ Brownsville, Tex. C WWY WWY WVB Fairbanks, Alaska. C WWY WWZ WVD Fort Gibbon, Alaska. C WXA Buford. D WVF Kotlik, Alaska. C WXD WXD Liparick.		Fort Winfold Scott Col	WWR	Rose Cityb
WUQ Washington, D. C. c WWS WUS Fort Morgan, Ala. c WWT WUS Fort Rosecrans, Cal. c WWT WU Fort Rosecrans, Cal. c WWU WU Fort Adams, R. I. c WWV WUV Fort Leavenworth, Kans. c WWW WUX Fort Crockett, Tex. c c WUY Fort San Jacinto, Tex. c WWX WUZ Brownsville, Tex. c WWY WVA Gircle City, Alaska. c WWY WVB Fort Egbert, Alaska. c WWZ WVD Fort Gibbon, Alaska. c WXA Buford. b WVF Kotlik, Alaska. c WXD WXD bix. b WVF Nome, Alaska. c WXD WXD bix. b WVH Nulato, Alaska. c WXF Logan. b WVJ Wrangell, Alaska. c				
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WUU Fort Adams, R. I		,	wwo	Siberiab
WUV Fort Leavenworth, Kans. c WWW WUW Fort Terry, N. Y c WWW WUX Fort San Jacinto, Tex c WWX WUZ Brownsville, Tex c WWY WVB Fairbanks, Alaska c WWY WVC Fort Egbert, Alaska c WXA WVD Fort Gibbon, Alaska c WXA WVF Kotlik, Alaska c WXC WVG Nome, Alaska c WXD WVH Nulato, Alaska c WXD WVI Petersburg, Alaska c WXF WVJ Wrangell, Alaska c WXF WXH McClellan b WVV WXI Meade b WVN Fort Frank, P. I c WXK WVN Sheridan b WVN Sheridan b		Fort Adams P I	www	
WUW Fort Terry, N. Y c WWW WUX Fort Crockett, Tex c WUY Fort San Jacinto, Tex c WUZ Brownsville, Tex c WVA Circle City, Alaska c WVB Fairbanks, Alaska c WVC Fort Egbert, Alaska c WVD Fort Gibbon, Alaska c WVF Kotlik, Alaska c WVG Nome, Alaska c WVH Nulato, Alaska c WVH Petersburg, Alaska c WVJ Wrangell, Alaska c WXF Logan b WVH Wrangell, Alaska c WXH McClellan b WVK WXI Meade b WVM Fort Frank, P. I c WXI Sheridan b WVM Fort Hughes, P. I c WXI Sheridan b WVN Fort Drum, P. I c WXM WXN </td <td></td> <td></td> <td> ** ** *</td> <td> </td>			** ** *	
WUX Fort Crockett, Tex c WUY Fort San Jacinto, Tex c WUZ Brownsville, Tex c WVA Circle City, Alaska c WVB Fairbanks, Alaska c WVD Fort Egbert, Alaska c WVE Fort Gibbon, Alaska c WVF Kotlik, Alaska c WVF Kotlik, Alaska c WVG Nome, Alaska c WVH Nulato, Alaska c WVI Petersburg, Alaska c WVJ Wrangell, Alaska c WVJ Warngell, Alaska c WVF WXG WXH McClellan WVM Fort Frank, P. I c WVM Fort Hughes, P. I c WVN Sherman b WVN Fort Drum, P. I c WXN WXN WXN WXN WXD Sumner b WVV			www	1
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WVG Nome, Alaska c WXD Kilpatrick b WVI Petersburg, Alaska c WXF Liscum b WVJ Wrangell, Alaska c WXG Meade b WVK WXI McClellan b WVL Fort Frank, P. I c WXJ Merritt b WVM Fort Hughes, P. I c WXK Sheridan b WVN Fort Mills, P. I c WXL Sumner b WVO Davao, P. I c WXM Thomas b WVQ Fort Wm, McKinley, P. I c WXN Warren b	$\mathbf{W}\mathbf{V}\mathbf{E}$			
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WVK WXI McClellan b WVL Fort Frank, P. I c WXI Sheridan b WVM Fort Hughes, P. I c WXK Sherman b WVO Davao, P. I c WXL Sumner b WVP Fort Drum, P. I c WXN Warren b WVQ Fort Wm. McKinley, P. I c WXN Warren b		Petersburg, Alaska		Logan
WVK WXI Merritt. b WVL Fort Frank, P. I c WXJ Sheridan. b WVN Fort Hughes, P. I c WXK Sherman. b WVO Davao, P. I c WXL Sumner. b WVP Fort Drum, P. I c WXN WXN Warren. b WVQ Fort Wm. McKinley, P. I c wxn b wxren. b	WAA	wrangen, Alaska		
WVL Fort Frank, P. I	WITT			
WVM Fort Hughes, P. I. c WXK Sherman b WVN Fort Mills, P. I. c WXL Sumner b WVO Davao, P. I. c WXM Thomas b WVQ Fort Drum, P. I. c WXN Warren b WVQ Fort Wm. McKinley, P. I. c wxn b				Sharidan
WVN Fort Mills, P. I		Fort Hughes P I		
WVO Davao, P. I. c WXM Thomas b WVP Fort Drum, P. I. c WXN Warren b WVQ Fort Wm. McKinley, P. I. c WXN Warren b		Fort Mills P I		
WVP Fort Drum, P. I				
WVQ Fort Wm. McKinley, P. Ic		Fort Drum, P. I		
	WVŘ		WXO	1

Call signal.	Station.	Call signal.	Station.
WXP		WYY	General Richard Arnoldb
WXQ		WYZ WZA	Captain T. M. Morrisonb
$\mathbf{W}\mathbf{X}\mathbf{R}$	Burnsideb	WZB	Fort Screven, Gac Fort Howard, Mdc
wxs		wzc	Fort Whitman, Washc
WXT	Joseph Henryb	WZD	Fort Barrancas, Flac
wxu	Navesinkb		,
		WZE	
WXV		Wan	• • •
wxw		WZF WZG	Fort Do Donney House
		WZH	Fort De Russey, Hawaiic Fort Shafter, Hawaiic
$\mathbf{W}\mathbf{X}\mathbf{X}$		W211	Tort Sharter, Hawaii
WXY		WZI	
$\mathbf{W}\mathbf{X}\mathbf{Z}$		WZJ	***************************************
WYA	General Royal T. Frankb	WZK	
WYB WYC	General S. N. Millsb	WZK	•••••
WYD	Major Samuel Ringgoldb General Henry T. Huntb	WZL	
WYE	General Henry Knoxb	1120	••••••
WYF	General E. O. C. Ordb	WZM	
WYG	Colonel Geo. Armistead b	1	
WYH	General Robert Anderson b	WZN	
WYI	Captain Chas. W. Rowell b	TV70	
WY J WYK	General A. M. Randolb	WZO	
WYL	General Harvey Brownb General R. B. Avresb	WZP	
WYM	Captain James Fornanceb	WZQ	General Timothy Pickeringb
WYN	Renob	WZŘ	General Nathanael Greeneb
WYO	Major Evan Thomasb	WZS	Henry Wilsonb
WYP	Captain Barrettb	WZT	General George H. Weeksb
WYQ	Major Albert G. Forseb	WZU	Sprigg Carrollb
WYR	Lieutenant Geo. M. Harrisb	WZV	General J. M. Brannanb General R. N. Batchelderb
WYS	General G. W. Gettyb Captain A. M. Wetherillb	WZW WZX	General R. N. Batchelderb
WYU	General Robt. Swartoutb	WZA	
WYV	General S. B. Holabirdb	WZY	l
WYW	General R. H. Jacksonb		
WYX	Lieutenant A. H. Cushingb	WZZ	
		I.	

SPECIAL LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

[Variable wave lengths authorized for experimental purposes are indicated by an asterisk (*).]

	1		T	·	7
Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by-
Agricultural College, N. Dak.	9YG	300, 480, 600*	P	х	N. Dak. Agr. College.
Alameda, Cal	6XS	300, 600*	P	x	Hugh R. Sprado.
Aldene, N. J	2XL	300, 600, 1800	P	X	Marconi Co.
Algona, Wash	7XU	300, 600, 4000*	P	X	Universal High
Ames, Iowa	9YI	300*	P	X	Power Telph. Co. Iowa State College of Agriculture and
Ann Arbor, Mich	8XA	450, 600, 1800	P	x	Mechanic Arts. University of Michigan.
Athens, Ohio	8YP	300, 425	P	x	Ohio University.
Atlanta, Ga	4XG	300*	P	X	Georgia School of
Auburn, N. Y	8YA	300, 440, 500, 600	P	(1)	Technology. Edward L. Colby (Colby's Telgh. School).
Beeville, Tex	5ZN	200, 450	P	x	Ed. Nettelton.
Beloit, Wis	9XB	300, 600, 900*	P	$\ddot{\mathbf{x}}$	Beloit College.
Berkeley, Cal	6XB	200-3000*	P	X X X	University of Cali-
Berkeley, Cal Bethesda, Md. Sce FriendshipHeights, Md.	6XR	300, <i>600</i> *	P	x	fornia. Frank Rieber.
Boston, Mass	1XB	300, 600*	P	X	Wireless Specialty Apparatus Co.
Boston, Mass	1XH	300, 400, 600*	P	X	Holtzer-Cabot Elec- tric Co.
Bremerton, Wash	$7\mathrm{XL}$	300, 600*	P	X X	T. M. Libby.
Buffalo, N. Y	8ZB	200, 300, 425,	P	\mathbf{X}	Nelson E. Holt.
Burlington, Iowa	9XL	600 200-550*	P	X	Leslie W. Lyon.
Cambridge, Mass	1XP	300, 600*	Ρĺ	$\ddot{\mathbf{x}}$	George W. Pierce.
Cambridge, Mass	iYII	300, 550, 600*	P	$\overline{\mathbf{x}}$	Harvard Univer-
Canal Dover, Ohio	8ZX	450, 600	P	X X	Harry S. Weber.
Charleston, S. C	4YC	300, 600	P	X	"The Citadel" (S. C. Military Acad-
Chelsea, Mass	1XC	300, 600*	P	T	emy). Wm.J. Murdock Co.
Chicago, Ill	9YH	335, 600	P	\mathbf{X}	Frank S. Jones.
Cincinnati, Ohio	8ZF	200, 300, 450,	P	X	Henry M. Rubel,
		600		**	jr.
Cincinnati, Ohio	8 Z H	200, 300	P	X	Clayton M. Howes (Hughes High School).
Columbia University. See New York, N. Y.				-	

¹9 a. m. to 9.30 a. m.; 2 p. m. to 2.30 p. m.; 7 p. m. to 7.30 p. m.

SPECIAL LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS-Contd.

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
Columbus, Ohio Denver, Colo	8YO 9ZA	400 450, 500, 750	P P	X X	Ohio State Univ. E. A. Smith (Signal Corps, Colo. N. G.)
Fargo, N. Dak Farmington, Conn	$^{9\rm YF}_{1\rm ZZ}$	300, 600 200,300,425,600	P P	X 8 p. m. to midnight.	Theo. L. Wanner. David Lyon Moore.
Friendship Heights, D. C.	3ZF	200, 250	P	X	John V. Purssell.
Gloucester, Mass	1XI	300, 600*	P	X	John Hays Ham- mond, jr.
Grand Coteau, La Grand Forks, N. Dak.	5 ZQ . 9XN	450 300 to 1400*	P P	X X	St. Charles College. University of North Dakota.
Hamilton, Ohio	8ZU	300, 600, 8000	P	X	Doron Bros. Elec- tric Co.
Hartford, Conn Hartford, Conn	1 Z C 1 ZM	200,300,425, <i>600</i> 200,300,425,600	P P	X 7 p. m. to 11 p. m.	Harry E. Chapman. Hiram Percy Max- im.
Hartford, Conn	1 ZT	200, 425	P	7 p. m. to 11 p. m.	Clarance D. Tuska.
Hyattsville, Md Illiopolis, Ill	3XR 9ZK	300, 400, 600* 200,300,450,600	P P	X	J. Harris Rogers. Harry J. E. Knotts (State-Center-
Iowa City, Iowa	9YA	3 85	P	x	Record.) State University of
Ithaca, N. Y	8YC 8ZK 9XH 9XK 4XA 9YW	300, 425 200, 425 (*) (*) 200, 600 300, 425	P P P P	X X X X X	Iowa. Cornell Univ. John Fleming. Harry D. Betz. Robert R. Moore. George W. Almour. Northwestern Mil.
Lake Geneva, Wis Lawrence, Kans Lexington, Mass	9YX 9XP 1ZD	300, 425 400, 550, 800* 200, 425, 600	P P P	X X X	& Naval Acad. Do. Univ. of Kansas. Samuel Winthrop
Lima, Ohio	8YL 6XL 6YL 9XM 5XC	200, 425 300, 425, 600* 2000, 2200 425 to 600*	P P P P	X X X X X	Dean. J. E. Collins. Y. M. C. A. High School. Univ. of Wisconsin. Christian Brothers
Memphis, Tenn Minneapolis, Minn Mobile, Ala Montauk, L. I., N. Y.	5ZD 9ZE 5ZM 2XE	296 200* 200, 300, 450 300, 600*	P P P	X X X X	College. C. B. De La Hunt. Philip E. Edelman. Ben W. Martin. Western Electric
Montgomery, Ala	5ZI	300, <i>600</i> , 1625, 1800	P	X	Co. Wm. H. Amerine (Signal Corps, Ala.
New Bedford, Mass New Castle, Pa New York, N. Y	1ZO 8ZN 2XH	200,300,425,600 200, 425 300, 540, 600,	P P P	X X X	N. G.). Lester I. Jenkins. R. L. Patch. Walter G. Hudson.
New York, N. Y	2XN	800* 300, 600*	P	X	Alfred N. Gold- smith (College of the City of New York).

¹ Portable station.

SPECIAL LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Contd.

					1
Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by —
New York, N. Y	2XG	300,350,600, 850, 1800, 2500	P	х	Radio Telephone & Telegraph Co.
New York, N. Y	2XM	600,1845,2220, 2630	P	X	John H. Morecroft (Columbia Uni-
New York, N. Y	2XR	(*)	P	X	versity). Marconi Co.
New York, N. Y	2XU	300, 600, 2000, 40000*	P	X	Peter Cooper Hew- itt.
New York, N. Y	2YS	250, 300, 600	P	X	Wm. S. Wilson.
Northampton, Mass	1ZL	200,300,425,600	P	\mathbf{X}	Dean A. Lewis.
Nutley, N. J	2ZH	200,300,450,600		. X	Arthur A. Hebert.
Oakland, Cal	6XC	300, 550, 600*	P	X	Lewis M. Clement.
Oakland, Cal	6XT 1XK	300, 600, 800*	P P	X	Howard H. Tremble. Univ. of Maine.
Orono, Me Pacific Grove, Cal	6ZB	280, 590, 800 300, 500, <i>600</i>	P	X	Howard S. Bunting.
Philadelphia, Pa	3XC	300, 480, 600*	P	X	Frank B.Chambers.
Philadelphia, Pa	3XJ	300, 500, 600	P	X	St. Joseph's College.
Pittsburgh, Pa	8YI	300, 425	P	$\hat{\mathbf{x}}$	Univ. of Pittsburgh.
Pittsfield, Mass	iXG	600, 1600-6000*		$\ddot{\mathbf{x}}$	General ElectricCo.
Port Chester, N. Y	$2\mathbf{ZP}$	200, 425, 600	P	X	John W. Hubbard.
Providence, R. I	1ZP	200, 300, 425,	P	X	Ralph C. Watrous.
Quarantine, Curtis Bay, Md.	3ZR	300, 600	P	(1)	Thomas L. Rich-ardson.
Rapid City, S. Dak	9XA	(*)	P	X	Claude C. Van Nuys (So. Dak. School of Mines).
Richmond, Va	3ZK	500*	P	х	Frank S. Splatt (Signal Corps,
Riverdale, Md Rock Island, Ill	3ZD 9XR	500	P P	X X	Va. N. G.). Frank A. DeGroot. Robert K. Karlowa and Ray E. Hali
Rockland, Me	1ZR	200, 300, 450,	P	x	(Tri-City Radio Laboratory). Edward L. Norton.
San Diego, Cal	6YS	300, 500, 600	P	\mathbf{x}	Southern Electrical
San Francisco, Cal	6XA	300, 600*	P	x	Co. Howard G. Ayls-
San Francisco, Cal	6XD	300, <i>600</i> , 2500 3000	P	x	worth. Dwyer Wireless Telephone & Tel-
San Francisco, Cal Savannah, Ga	6XH 4XL	600* 300, 460, 560, 600*	P P	XX	egraph Co. Wm. W. Hanscom. Claude A. Lewis and Manning
Schenectady, N.Y	2XA	300, <i>600</i> , 1000, 1200, 1700	P	x	White. E. M. Kinney.
Schenectady, N. Y Schenectady, N. Y	2XI 2ZB	1600-10, 000* 200, 300, 400,	P P	X X	General Elec. Co. Wallace L. Brooks.
Seattle, Wash	7XK	600, 1000, 1400, 2000, 4000*	P	x	Kilbourne & Clark Mfg. Co.
Seattle, Wash	7XM	300, 600, 1400*	P	X	Wireless Instru- ment Co.
Slingerlands, N. Y	2XD	200, 300, 600, 1000, 1200, 2000, 5500	P	X	C. F. and B. V. Deitz.

¹ Sunrise until 10 p. m.

SPECIAL LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS-Contd.

Springfield, Ohio	9ZS 8ZM	600, 2000			
Springfield, Ohio			P	X	Illinois Watch Co.
St. Davids Pa		300, 450, 600	P	\mathbf{X}	Ross McGregor.
	3ZS	300, 450, 600	P	X X	Chas. H. Stewart.
St. Louis, Mo	9XC	700*	P	X	Christian Brothers College.
St. Louis, Mo 9	YX V	850, 1200, 1500 2000	P	X	Washington Univ.
St. Louis, Mo 9	YR	150, 600	P	X	St. Louis Univ.
	2XT		ĒΙ	$\tilde{\mathbf{x}}$	D. G. McCaa.
Summit, N. J 2	XW	300, 450, 600,	P	$\bar{\mathbf{x}}$	Frank N. Water-
·		700, 1000			man.
Takoma Park, Md 3	BXB	<i>500</i> , 2000	P	X	Bliss Electrical School.
Trinidad, Colo S	9ZB	450, <i>500</i> , 750	P	X	E. A. Smith (Signal Corps, Colo. N. G.).
Valparaiso, Ind 9	XD	300, <i>600</i> *	P	x	Dodge's Institute of Telegraphy.
Warren, Ohio 8	xw	1800	P	X	Goodyear Tire & Rubber Co.
Washington, D. C 3	SYM	200, 300, 400	P	x	McKinley Manual Training School.
Washington, D. C 3	SYN	200, 400, 1800	P	X	James E. Smith (National Radio School).
Washington, D. C 3	BZH		P	\mathbf{x}	H. B. DeGroot.
	XW		$\tilde{\mathbf{P}}$	$\bar{\mathbf{x}}$	Ralph C. Watrous.
	3ZW	300, 450, 600, 1800	P	X X X	John C. Stroebel, ir.
Wilkes-Barre, Pa	8ZS	200, 425	P	\mathbf{x}	John H. Stenger, jr.
	YE	1700	P	X X X	Walter S. Ezell.
	zw	200, 425	P	x	Wm. H. Allison.

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SPECIAL LAND RADIO STATIONS, GROUPED BY DISTRICTS.

Call signal.	District and station.	Call signal.	District and station.
	First district:		Fourth district:
1XA	Amesbury, Mass.	4XA	Key West, Fla.
1XB	Boston, Mass.	4XG	Atlanta, Ga.
1XC	Chelsea, Mass.	4XL	Savannah, Ga.
1XG	Pittsfield, Mass.	4YC	Charleston, S. C.
1XH	Boston, Mass.	410	Fifth district:
1XI		5XC	
1XK	Gloucester, Mass. Orono, Me.	5ZA	Memphis, Tenn.
1XP	Cambridge, Mass.	5ZD	Montgomery, Ala. Memphis, Tenn.
iXW	Watchaug Pond, R. I.	5ZM	Mobile, Ala.
iΫĤ	Cambridge, Mass.	5ZN	Beeville, Tex.
iŻC	Hartford, Conn.	5ZQ	Grand Coteau, La.
iZĎ	Lexington, Mass.	024	Sixth district:
izL	Northampton, Mass.	6XA	San Francisco, Cal.
1ZM	Hartford, Conn.	6XB	Berkeley, Cal.
1 Z O	New Bedford, Mass.	6XC	Oakland, Cal.
1ZP	Providence, R. I.	6XD	San Francisco, Cal.
1ZR	Rockland, Me.	6XH	San Francisco, Cal.
1ZT	Hartford, Conn.	6XL	Los Angeles, Cal.
1ZW	Worcester, Mass.	6XR	Berkeley, Cal.
1ZZ	Farmington, Conn.	6XS	Alameda, Cal.
	Second district:	6XT	Oakland, Cal.
2XA	Schenectady, N. Y.	6YL	Los Angeles, Cal.
2XD	Slingerlands, N. Y.	6YS	San Diego, Cal.
2XE	Montauk, Long Island,	6ZB	Pacific Grove, Cal.
	N. Y.		Seventh district:
2XG	New York, N. Y.	7XK	Seattle, Wash.
2XH	New York, N. Y.	7XL	Bremerton, Wash.
2XI	Schenectady, N. Y.	7XM	Seattle, Wash.
2XL	Aldene, N. J.	7XU	Algona, Wash.
2XM	New York, N. Y.		Eighth district:
2XN	New York, N. Y.	8XA	Ann Arbor, Mich.
2XR	New York, N. Y.	8XW	Warren, Ohio.
2XT	Steamship "Tyler."	8YA	Auburn, N. Y.
2XU	New York, N. Y.	8YC	Ithaca, N. Y.
2XW	Summit, N. J.	8YI	Pittsburgh, Pa.
2YS	New York, N. Y.	8YL	Lima, Ohio.
	Schenectady, N. Y.	8YO	Columbus, Ohio.
	Nutley, N. J.	8YP	Athens, Ohio.
$2\mathbf{ZP}$	Port Chester, N. Y.	8ZB	Buffalo, N. Y.
3XB	Third district.	8ZC 8ZF	Battle Creek, Mich.
3XC	Takoma Park, Md.	8ZH	Cincinnati, Ohio.
	Philadelphia, Pa. Philadelphia, Pa.	8ZK	Cincinnati, Ohio. Kane, Pa.
3XR	Hyattsville, Md.	8ZM	
3YM	Washington, D. C.	8ZN	Springfield, Ohio. New Castle, Pa.
3YN	Washington, D. C.	8ZS	Wilkes-Barre, Pa.
	Riverdale, Md.	8ZT	Tiffin, Ohio.
3ZF	Friendship Heights, D. C.	8ZŪ	Hamilton, Ohio.
3ZH	Washington, D. C.	8ZW	Wheeling, W. Va.
3ZK	Richmond, Va.	8ZX	Canal Dover, Ohio.
3ZR	Quarantine, Curtis Bay,	1	Ninth district:
	Md.	9XA	Rapid City, S. Dak.
3 Z S	St. David's, Pa.	9XB	Beloit, Wis.
ee.	•	-	• • • •

RADIO STATIONS OF THE UNITED STATES.

SPECIAL LAND RADIO STATIONS, GROUPED BY DISTRICTS—Continued.

Call signal.	District and station.	Call signal.	District and station.
9XC 9XD 9XH 9XK 9XL 9XN 9XN 9XP 9XR 9XP 9YP 9YA 9YF	Ninth district—Continued. St. Louis, Mo. Valparaiso, Ind. Kansas City, Mo. Kansas City, Mo. Burlington, Iowa. Madison, Wis. Grand Forks, N. Dak. Lawrence, Kans. Rock Island, Ill. St. Louis, Mo. Iowa City, Iowa. Wichita, Kans. Fargo, N. Dak.	9YG 9YH 9YI 9YR 9YW 9YX 9ZA 9ZB 9ZD 9ZE 9ZK 9ZS	Ninth district—Continued. Agricultural College, N.Dak. Chicago, Ill. Ames, Iowa. St. Louis, Mo. Lake Geneva, Wis. Lake Geneva, Wis. Denver, Colo. Denver, Colo. Trinidad, Colo. Denver, Colo. Minneapolis, Minn. Illiopolis, Ill. Springfield, Ill.

AMATEUR RADIO STATIONS.

FIRST DISTRICT.

[Headquarters: Customhouse, Boston, Mass. The first district comprises the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.]

ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
1FT	Ackley, Edward P	Peaks Island, Me	75
1SI	Alger, James W	Reading, Mass	100
1UL	Allen, Edwin B	Westerly, R. I	
1KG	Allen, Franklin	125 Sycamore St., New Bedford, Mass	30
1GM	Allen, J. Wyman	236 Hale St., Beverly, Mass	250
1TF	Allenson, George T	12 Railroad Ave., Valley Falls, R. I	20
1EV	Almquist, Fritz A	333 Franklin St., Quincy, Mass	500
1KJ	Anderson, Arvid E	Shore St., Falmouth, Mass	100
1TA	Anderson, Caleb J	Tudor Lodge, Old Beach Rd., Newport, R. I.	100
1HN	Anderson, Daniel H	40 Oliver St., Everett, Mass	250
1AL	Anderson, Harold W	297 Brackett St., Portland, Me	
1NA	Andonegui, Lane	1010 Mass. Ave., Cambridge, Mass	250
1ME	Angell, Otis P	20 Trowbridge St., Cambridge, Mass	250
1VM	Angelo, Anthony A	191 Laurence St., Hartford, Conn	150
1KQ	Armstrong, James B	15 Bradford Rd., Newton Highlands, Mass.	250
1DA	Bacon, Harold L	70 Wallace St., New Britain, Conn	100
1NI 1FC	Bailey, Stanley M	55 Cottage St., Hudson, Mass	100
1DN	Baker, C. Hall Balcom, Loris L	Torrington Point, Peak Island, Me	120
1WE	Baldwin, James P	Noroton Heights, Conn	24
1LG	Ballon, Willis H	82 Winthrop St., Medford, Mass	1,000
1LF	Barrett, Bradford L	47 Forest St., Springfield, Mass	100 50
IWJ	Barrett, John H	64 Lafayette Pl., Greenwich, Conn	110
1UQ	Barth, Karl E	229 Washington Ave., Providence, R. I	1,000
1MX	Batchelder, Earl C	378 Broadway, North Attleboro, Mass	150
1JK	Batchelder, Hugh M	92 Lake Ave., Melrose, Mass	15
1KX	Batcheller, Arthur	199 Sherley Ave., Revere, Mass	150
1GU	Baumann, Howard	24 Hale Ave., South Medford, Mass	15
1IY	Baxter, Horace M	160 Foster St., Brighton, Mass	100
1MC	Baylies, Milton A	111 Grinnell St., New Bedford, Mass	500
1SP	Bayliss, Joseph	18 Lexington Ave., South Norwalk, Conn	500
1CZ	Bean, Harold W	82 S. Main St., Penacook, N. H	880
1SL	Bearse, Edwin W	43 Cutter St., Somerville, Mass	40
1IW	Beckvold, Melvin P	87 Callender St., Dorchester, Mass	50
1OJ	Beecher, George E	416 Allen St., Springfield, Mass	16
1 KW	Beering, Herbert A	61 South St., Jamaica Plain, Mass	500
1VL	Belknap, Edward L	91 Vine St., Hartford, Conn.	100
1ND	Bellis, Clifford B	9 Brown St., Waltham, Mass	200
1CT	Belmont High School	Belmont, Mass	500
1HY	Bennett, Lawrence S	2 Lawrence St., Everett, Mass	500
1LQ	Bennett, William F., jr.	24 Spring St., Somerville, Mass	15
1DK	Benoit, Ralph J	242 Whiting St., New Britain, Conn	24
1HO	Bergmann, Malcolm P.	50 Jaques St., Somerville, Mass	50
1FI	Bernier, Walter J	7 River St., Sanford, Me	18
1FW	Beverage, Harold H	North Haven, Me. 123 Chapel St., Saylesville, R. I.	50
1UG	Bigelow, Fred C	123 Unapel St., Saylesville, R. I	500
1MI	Birdsall, Elmer S	Vineyard Haven, Mass	60
1EF	Bixby, Harold O	65 Hillside Ave., Arlington Heights, Mass.	100

Amateur Radio Stations—First District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
1QK	Black, William R	32 Jefferson St., Newton, Mass	50
1EO	Blanchard, Chester T	25 Ashmont St., Dorchester Center, Mass	50
1NB	Blanchard, Ralph N	73 Jenkins Ave., Whitman, Mass	250
1HA	Blanchard, Raymond C	14 Leonard St., North Attleboro, Mass	300
1WV	Blanke, Donald C	Greenwich, Conn	330
1EH	Bloom, Philip H	9 Adams St., Holyoke, Mass	500
1LB	Blume, Carl T	8 Upham St., Revere, Mass	500
1MB	Boudette, Clayton M	194 Elm St., Everett, Mass	500
1QN	Bowditch, Frederic C., jr.	164 Rawson Road, Brookline, Mass	250
1LC	Bowen, Arthur N	34 Apthorp St., Revere, Mass	250
1KU	Bowen, Earle H	459 Madison St., Fall River, Mass	250
1KO	Bowen, Harold C	168 Belmont Ave., Fall River, Mass	250
1 K S	Boy Scouts of America, Troop I.	Reading, Mass	108
1GJ	Bradbury, Lawson E	138 Endicott Ave., Revere, Mass	300
1WZ	Bradin, Jack H	30 Highland St., Hartford, Conn	88 0
1TR	Briggs, Darrah	41 School St., Newport, R. I	50
1LR	Brigham, Everett R	46 Church St., Hudson, Mass	60
1SB	Brock, William C	36 Liberty St., Nantucket, Mass	40
1AC	Brown, Orlando W	12 Kimball St., Sanford, Me	300
1WA	Bueb, John J., jr	12 Maher Ave., Greenwich, Conn	250
IRG	Buffinton, William H	836 Maple St., Fall River, Mass	500
1FD	Burdwood, Otho R	Gorham, Me	150
1HI	Burke, Alan W	40 Pollock Ave., Pittsfield, Mass	750
1AU	Burns, James L	23 Pearl St., Rockland, Me	15
18V 1HH	Burton, H. R	173 W. Elm Ave., Wollaston, Mass	100
IJE	Bushee, Ward H	249 County St., Attleboro, Mass	250
IVZ	Bushway, George F Butler, James T	87 Glen Rock Ave., Malden, Mass 314 Broadway, New Haven, Conn	100 50
11R	Butterfield, George W	14 Birch Hill Ave., Wakefield, Mass	100
1MV	Caldwell, George W	52 Cherry St., Lynn, Mass	500
1NU	Campbell, Harold G	86 Kenwood St., Dorchester, Mass	100
ijŎ	Campbell, James S	Northbridge, Mass.	550
iky	Canfield, Donald T	Westboro, Mass	100
1IT	Canning, Richard H	95 Maple St., Milton, Mass	35
1FY	Carles, Reginald, C	66 Evans St., Portland, Me	
180	Cash, Wilson H	3 Prospect St., Nantucket, Mass	240
1BI	Castner, Harold W	69 High St., Portland, Me	12
1QE	Chace, Myron D	7 Norwood St., Worcester, Mass	100
1GC	Chadwick, Gilbert L	19 11th Ave., Haverhill, Mass	27
1TY	Champlin, Albert R	7½ Spring St., Westerly, R. I	100
1WL	Chase, Harry	400 N. Main St., Wallingford, Conn	880
1HC	Cheetham, Henry R	81 Avon St., Somerville, Mass	50
1JV	Chisholm, Chesleigh C	Squantum, Mass	30
1AQ	Claffin, Harold M	160 College Ave., Waterville, Me	440
1WG	Clark, Bradford J	49 Oak St., Hartford, Conn	40
1UU	Clark, Robert S	42 Elm St., Westerly, R. I	100
1QR	Clark, Wesley C	34 Cliff St., Arlington, Mass.	250
1FL 1TS	Clark, William T	13 Winter St., Sanford, Me	20 50
iUP	Clarkson, Charles N Classical High School	17 Gibbs Ave., Newport, R. I Providence, R. I	300
iPT	Clayton, Henry C	1422 Washington St., Canton, Mass	30
iRM	Clements, William B	29 Pemberton Sq., Boston, Mass	180
1HG	Cogswell, George R	18 Garden St., Cambridge, Mass	200
isj	Coit, Jeffery V	22 Platt Ave., Norwich, Conn	140
îĎJ	Cole, George E	350 Piedmont St., Waterbury, Conn	250
ÎNE	Coleman, Benj. B. B	193 Clapp St., Milton, Mass	220
1WC	Coleman, William F	177 Wethersfield Ave., Hartford, Conn	100
IJD	Collins, W. Lovejov	44 Carver Rd., Newton Highlands, Mass	100
18N	Colton, Robert H	768 North St., Pittsfield, Mass	350

Amateur Radio Stations—First District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
1WQ 1NK	Conner, John A	293 Greenwich Ave., Stamford, Conn	50
1NK	Coogan, Thomas P	292 Washington Blvd., Springfield, Mass.	770
1JU	Cooke, Grover C	274 Boston St., Lynn, Mass	880
1FP	Coombs, George T	Castine, Me	20
108	Copland, H. Depew	42 Huron Ave., Cambridge, Mass	100
1LE	Corney, Chester A	781 E. Broadway, Boston, Mass	250
1EC	Cosgrove, Fred J	57 Cedar St., Taunton, Mass	500
1BX	Courtney Frank T	South Ryegate ,Vt	25
iDE	Courtney, Frank T Cowles, Willard B	94 W. Main St., Plainville, Conn	50
iĞĒ	Cressy, Dustin G	233 E. Fellsway, Malden, Mass	250
1EP	Crocker, Edmund P	23 Hussey St., Nantucket, Mass	100
1HP	Cromools N C N	9 Flm Larm St. Darchaster Mass	100
	Cromack, N. G. N	8 Elm Lawn St., Dorchester, Mass	
1GT	Cummings, Francis II	Prides Crossing, Mass	500
1NL	Curtis, Samuel	44 Faxon Rd., Atlantic, Mass	24
1BV	Cusick, Howard	21 Beech St., Gardiner, Me	880
10B	Daggett, Royal S	21 Beech St., Gardiner, Me	50
1IK	Dallin, Edwin B	69 Oakland Ave., Arlington Heights, Mass.	250
lQZ	Danehy, Edward J David, Harold E	21 Sargent St., Cambridge, Mass	100
1KD	David, Harold E	24 Belchertown Rd., Amherst, Mass	275
1AX	Davies, Orel E	301 Main St., Rockland, Me	250
1ST	Decker, J. Raymond		100
1ES	Deering, Frederick A	149 Warren St., Roxbury, Mass	100
1VW	Delege Coorne C	Mass.	950
	Delage, George C	321 Greenwich Ave., Greenwich, Conn	250
1DM	Dewey, Kenneth C Dickson, William E	4 Church St., Tariffville, Conn	250
1LH	Dickson, William E	59 Hamden Circle, Quincy, Mass	250
1DZ	Didsbury, Wallace E	27 Cook St., Winsted, Conn	20
1ET	Dodge, Joseph B	26 School St., Manchester, Mass	500
10Z	Doe, Charles S	291 Reedsdale Rd., Milton, Mass	40
1LO	Donovan Arthur B	49 Bigelow Ave., Rockland, Mass	250
1UO	Doyle, John B	306 Thurber Ave., Providence, R. I	100
1PC	Drake, Ervin T., jr Drew, William E	40 Holyoke House, Cambridge, Mass	30
1RJ	Drew, William E	324 Central St., Auburndale, Mass	90
1GQ	Dunbar, Atherton K	175 Mt. Auburn St., Cambridge, Mass	276
1HŽ	Duncan Harrie E	34 Foster St., Newtonville, Mass	500
1LI	Dwight, Harrison W	24 Milwood St., Dorchester, Mass	50
1GN	Dyson, John F	Somerset, Mass	500
1MY	Eales, Malcolm A. L	4 Chestnut Park, Melrose, Mass	250
1DT	Edgerly, Albert H., jr	Kensington, Conn	36
îQĠ	Edmoster Forle C	23 Beacon St., Everett, Mass.	275
1KB	Edmester, Earle C Edwards, Ralph E	214 Racon St Waltham Mass	250
1RN	Ege, John F	214 Bacon St., Waltham, Mass	500
1NC		"The Standish " Waltham Mass	100
	Ekwall, George O	"The Standish," Waltham, Mass	
10F	Eldredge, Clarence R	20 Evens Dd North Wesserth M.	500
$_{1}^{1}$	Elliott, Thomas H., jr	32 Evans Rd., North Weymouth, Mass	1,000
1UW	Ellis, John W	42 Filmore St., Lakewood, R. I	48
1RD	Ericson, Arthur E	Manchester, Mass	· · · · · · · · · · · · · · · · · · ·
1AJ	Fabbri, Alessandro	Bar Harbor, Me	940
1DW	Fairchild, Charles R	19 Kirkham Ave., East Haven, Conn	100
1JT	Farmer, Edward E	15 Cotting St., Medford, Mass	10
1EQ	Farnum, Willis H	21 Walter St., Somerville, Mass	50
1IJ ¯	Fassitt, Andrew J., ir	27 Walden St., Cambridge, Mass	500
1PU	Fearing, Sumner É Fenno, Stanley W	36 Water St., East Weymouth, Mass	
1EZ	Fenno, Stanley W	Revere, Mass	
1RO	Fernald, Wilder A		100
1DV	Fisk, Leonard D	West Hartford, Conn	935
1BA	Fitts, Harold W	2 Park St., Barre, Vt	100
10H	Flanders, Fred F	9 Norway St., Boston, Mass.	85
iTL	Flint, Carl O	4 High St., Westerly, R. I.	550
	Flint, Carl O.	28 Main St., Westerly, R. I.	100

Amateur Radio Stations—First District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
CON I	R. C. C. S.		Watts.
1PV	Folsom, Rolfe A	76 Rockland Ave., Malden, Mass	78
1GX	French, Walter B	47 Varnum St., Lowell, Mass	440
1KN	Froberger, Laurence G	50 Minot St., West Lynn, Mass	18
1DU	Frost, Russell S	27 Hart St., Hartford, Conn	30
1IH	Fuller, Clarence C	50 High St., Mansfield, Mass	616
1KP	Fuller, Perry D	14 Monson St., Dorchester, Mass	30
1CS	Furlong, Joseph	85 Glen Rd., Boston, Mass	100
ıJL	Gahm, Sebastian, jr	113 Sheridan St., Jamaica Plain, Mass	100
1RZ	Gallagher, Edward J	16 Appleton St., Atlantic, Mass	220
1HF	Gardner Chaster R	11 Spring Hill Ter., Somerville, Mass	100
	Gardner, Chester R Garfield, Harold E	121 Centre Ave., Rockland, Me	45
1NX	Carrett John D	645 Fermington Ave. Hartford Conn	200
1SF	Garrett, John D	645 Farmington Ave., Hartford, Conn	10
1UD	Gates, Harold S	261 Washington Ave., Providence, R. I.	16
1BF	Gates, Paul H	Franklin, Vt	250
1BB	Gavett, Andrew W	West Chalasterd Mass	
1GV	Gavill, Wilbur W	West Chelmsford, Mass	210
1UT	Gavitt, Lester E	43 Beach St., Westerly, R. I	100
1RI	Gawler, H. C	43 Beach St., Westerly, R. I	100
1SS	Gawler, Leonard M	53 Heath St., Somerville, Mass	100
1SK	Geer, Laurence P	38 Atlantic St., Lynn, Mass	100
1NR	Gerrish, Kenneth B	170 Summer St., Malden, Mass	30
1NQ	Getchell, Melvin D	127 Monument St., West Medford, Mass	10
1VV	Gillespie, Eugene	31 Brownstone Ave., Portland, Conn	500
10C	Gisburne, Edward A	12 Oakley St., Dorchester, Mass	25
1CG	Godfray, Carlton T	55 Homes Ave., Dorchester, Mass	100
1MG	Goodwin, A. R.	55 Homes Ave., Dorchester, Mass 35 Cleveland Ave., Saugus, Mass	40
1FA	Gould, Charles D Gray, Walter B	45 Masonic St., Rockland, Me	18
1CI	Grav. Walter B	47 Leonard St., Rochester, N. H	20
1NJ	Greeley, Francis B	47 Leonard St., Rochester, N. H	168
1MH	Griffin, Barte J., jr	86 Magnolia Ter., Springfield, Mass	12
1FX	Griffin, Stephen A	Peaks Island, Me	70
1BQ	Hackett, Harry S	White River Junction, Vt.	100
1EY	Haffcke, Philip M	47 Locust St., Danvers, Mass	500
iTV	Hale, Edward E	92 Hallick Ave., Riverside, R. I	100
1EX	Haley, James A	7 Saranac St., Dorchester, Mass	250
1FO	Holor Osmon	8 Goodwin St., Sanford, Me	24
	Haley, Osmon Ham, Earle G	285 Cumberland Ave., Portland, Me	100
1AW	Hamilton Charles F	7 Pomona St., Springfield, Mass	200
10E	Hamilton, Charles F Hammett, Herbert M	4 Plus Hill Ave Powbury Moss	500
1HM	Hammett, Herbert M	4 Blue Hill Ave., Roxbury, Mass	23
1ED	Hardy, Rodney C	38 Gray St., Arlington, Mass	250
1GS	Hardy, Wilbur H	778 Hale St., Beverly Farms, Mass	100
1UA	Hargraves, Harold T Hartwell, E. G	Silver Lake Ave., Lakewood, R. I	
1PM	Hartwell, E. G	High School, North Attleboro, Mass	250
1VO	Haskell, Shirley D	Ivoryton, Conn	200
1LK	Haskins, Frederic C	220 Lexington St., Belmont, Mass	250
1AY	Hatch, James F	86 Elm St., Portland, Me.	72
1FK	Hatch, Roland J	171 Oxford St., Portland, Me	80
1DI	Haugh, Charles J., jr	129 Farmington Ave., Waterbury, Conn	56
1SQ	Hayes, Clifford R	66 S. Main St., South Norwalk, Conn	500
1CB	Hayes, Ralph S	Exeter, N. H	100
1SZ	Hayward, Edward E., jr	4 Pembroke St., Newton, Mass	100
10T	Heap, Sheldon S	132 Atlantic St., Atlantic, Mass	500
1VA	Hendrickson, Verner A	97 Lockwood St., Stamford, Conn	60
1JY	Herland, John N	48 Brush Hill Rd., Mattapan, Mass	2
1SW	Hersey, Ralph H	2 Harborview Ave., Salem, Mass	1,000
1QV	Heyman, Harry	15 Congress St., Springfield, Mass	100
1GI	Higgins, Charles A	17 Pond St., Waltham, Mass	250
1FV	Hill, Harold F	102 Trowbridge St., Cambridge, Mass	500
1NH	Hilliard, Dana S	301 Hanover St., Fall River, Mass	440
Little		661 Maple St., Fall River, Mass	1

Amateur Radio Stations—First District—Alphabetically by Owners of Stations—Continued.

1MK Johnson, Thurston A 123 Winthrop St., Winthrop, Mass. 250 1MJ Judkins, Nathaniel B 1474 Pawtucket Ave., Rumford, R. I 100 1LL Justice, Francis C 148 Tremont St., Newton, Mass. 100 1HU Karl, Henry J 568 Union St., New Bedford, Mass. 30 1ID Kehoe, Francis. 41 Walnut St., Boston, Mass. 250 1IC Keller, Adrian C 36 Grand View Ave., Medford, Mass. 190 1CY Kelley, Lawrence E 35 Saunders St., Allston, Mass. 150 1AF Kelsey, Donald L 67 Rankin St., Rockland, Me 80 1OΛ Kenison, Arthur C 45 Parker St., Lexington, Mass. 1,000 1JP Knapp, Everett L 39 Otis St., Melrose, Mass. 80	Call signal.	Owner of station.	Location of station.	Power.
Hitchcock, Howard A. 1647 Boulevard, West Hartford, Conn. 228			1. A. J. G. W J. G.	
Hitchcock, William H. 106 Arlington St., Manchester, N. H. 56			17 Asylum St., Norwich, Conn	
Hoffman, Frank E		Hitchcock, Howard A	1647 Boulevard, West Hartford, Conn	
1 1 1 1 1 1 1 1 1 1		Hitchcock, William H		
1 1 1 1 1 1 1 1 1 1	IJQ	Hoffman, Frank E		
1QP	IWY			
			3 Thompson Ave., East Haven, Conn	
			26 Trenton St., Melrose, Mass	
Hovenden, Herbert C. 42 Austin St., Newtonville, Mass			239 Broadway, Newport, R. 1	
18A Howard, George E			Unionville, Conn	
IGL Hove, Bradford I.			42 Austin St., Newtonville, Mass	
Hoyt, Lowell P. R. F. D. No. 3, Presque Isle, Me. 264				
1			D E D No 2 December 11 Mass	
1			N. F. D. No. 5, Freeque Isle, Me	
1NS			97 Uigh St. Foot Havon Conn	
1NN				
1MA				
1LD			West Rridgewater Mass	
1LW Jackson, Edward W 34 Parker St., Lexington, Mass 1,000				
111			34 Parker St. Levington Mass	
111		Januar Louis A	57 Januar St. Somerville Mass	
TP				
1TP Jensen, Leonard C. 17 Mt. Vernon St., Providence, R. I. 100 1KA Jepson, Warren F. 3 Perkins St., Melrose, Mass. 1UE Jette, George E. 161 Summer St., Central Falls, R. I. 500 1MQ Jewett, Leroy R. Highland Square, Lynn, Mass. 1,000 1TJ Johnson, Alexander R. 371 Sayles St., Providence, R. I. 100 1RK Johnson, Elmer C. 102 Hancock St., Whitman, Mass. 220 1AP Johnson, Ernest B. 28 Spring St., Providence, R. I. 100 1MK Johnson, Thurston A. 123 Winthrop St., Whitman, Mass. 220 1MK Johnson, Thurston A. 123 Winthrop St., Winthrop, Mass. 250 1MJ Judkins, Nathaniel B. 1474 Pawtucket Ave., Rumford, R. I. 100 1ML Justice, Francis. 148 Tremont St., New Bedford, Mass. 30 1LL Justice, Francis. 41 Walnut St., Boston, Mass. 250 1LC Keller, Adrian C. 36 Grand View Ave., Medford, Mass. 150 1CY Keller, Jawrence E. 35 Saunders St., Allston, Mass. <	111	vennings, w. Francis, jr.		000
1KA	1TP	Jensen Leonard C		100
10E Jette, George E. 161 Summer St., Central Falls, R. I. 500 1MQ Jewett, Leroy R. Highland Square, Lynn, Mass. 1,000 121 171 172 173 174 175 17				100
1MQ Jewett, Leroy R. Highland Square, Lynn, Mass. 1,000 1TJ Johnson, Alexander R. 371 Sayles St., Providence, R. I. 100 1AP Johnson, Ernest B. 28 Spring St., Portland, Me. 420 1MK Johnson, Thurston A. 123 Winthrop St., Winthrop, Mass. 250 1MJ Judkins, Nathaniel B. 1474 Pawtucket Ave., Rumford, R. I. 100 1LL Justice, Francis C. 148 Tremont St., New Bedford, Mass. 100 1HU Karl, Henry J. 568 Union St., New Bedford, Mass. 30 1ID Kehoe, Francis. 41 Walnut St., Boston, Mass. 250 1IC Keller, Adrian C. 36 Grand View Ave., Medford, Mass. 150 1CY Kelley, Lawrence E. 35 Saunders St., Allston, Mass. 150 1AF Kelsey, Donald L. 67 Rankin St., Rockland, Me. 80 1OA Kenison, Arthur C. 45 Parker St., Lexington, Mass. 1,000 1JP Knight, Maurice E. 39 Otis St., Melrose, Mass. 8 1LP Knight, Maurice E. 3 Edwin St., Boston, Mass. 30 <t< td=""><td></td><td>Jette George E</td><td></td><td>500</td></t<>		Jette George E		500
1TJ Johnson, Alexander R. 371 Sayles St., Providence, R. I. 100 1RK Johnson, Elmer C. 102 Hancock St., Whitman, Mass. 220 1MK Johnson, Ernest B. 28 Spring St., Providence, R. I. 20 1MK Johnson, Thurston A. 123 Winthrop St., Winthrop, Mass. 250 1MJ Judkins, Nathaniel B. 1474 Pawtucket Ave., Rumford, R. I. 100 1LL Justice, Francis C. 148 Tremont St., Newton, Mass. 100 1LU Karl, Henry J. 568 Union St., New Bedford, Mass. 30 1ID Kehoe, Francis. 41 Walnut St., Boston, Mass. 250 1IC Keller, Adrian C. 36 Grand View Ave., Medford, Mass. 150 1ICY Kelley, Lawrence E. 35 Saunders St., Allston, Mass. 150 1GY Kelsey, Donald L. 67 Rankin St., Rockland, Me. 80 1OA Kenison, Arthur C. 45 Parker St., Lexington, Mass. 1,000 1JP Knight, Hugh C. 132 Melrose St., Melrose, Mass. 8 1LP Knight, Maurice E. 32 Edwin St., Boston, Mass. 20		Jewett, Lerov R.		
1RK Johnson, Elmer C. 102 Hancock St., Whitman, Mass. 220 1AP Johnson, Ernest B. 28 Spring St., Portland, Me. 420 1MK Johnson, Thurston A. 123 Winthrop St., Winthrop, Mass. 250 1MJ Judkins, Nathaniel B. 1474 Pawtucket Ave., Rumford, R. I. 100 1HU Justice, Francis C. 148 Tremont St., Newton, Mass. 100 1HU Karl, Henry J. 568 Union St., New Bedford, Mass. 30 1ID Kehoe, Francis. 41 Walnut St., Boston, Mass. 250 1IC Keller, Adrian C. 36 Grand View Ave., Medford, Mass. 190 1CY Kelley, Lawrence E. 35 Saunders St., Allston, Mass. 150 1AF Kelsey, Donald L. 67 Rankin St., Rockland, Me. 80 1JP Knapp, Everett L. 39 Otis St., Melrose, Mass. 1,000 1JP Knapp, Everett L. 39 Otis St., Melrose Highlands, Mass. 1,000 1FI Knight, Maurice E. 3 Edwin St., Boston, Mass. 20 1FI Knowlton, Dean W. 38 High St., Belfast, Me. 30				
1AP Johnson, Ernest B. 28 Spring St., Portland, Mé. 420 1MK Johnson, Thurston A. 123 Winthrop St., Winthrop, Mass. 250 1MJ Judkins, Nathaniel B. 1474 Pawtucket Ave., Rumford, R. I. 100 1LL Justice, Francis C. 148 Tremont St., Newton, Mass. 100 1HU Karl, Henry J. 568 Union St., New Bedford, Mass. 30 1ID Kehoe, Francis. 41 Walnut St., Boston, Mass. 250 1IC Kelley, Lawrence E. 36 Grand View Ave., Medford, Mass. 190 1CY Kelley, Lawrence E. 35 Saunders St., Allston, Mass. 150 1AF Kelsey, Donald L. 67 Rankin St., Rockland, Me. 80 1OA Kenison, Arthur C. 45 Parker St., Lexington, Mass. 1,000 1JP Knapp, Everett L. 39 Otis St., Melrose, Mass. 8 1LP Knight, Hugh C. 132 Melrose St., Melrose Highlands, Mass. 1,000 1KT Knight, Maurice E. 38 High St., Belfast, Me. 30 1FN Knowlton, Dean W. 38 High St., Belfast, Me. 30				
1MK Johnson, Thurston A. 123 Winthrop St., Winthrop, Mass. 250 1MJ Judkins, Nathaniel B. 1474 Pawtucket Ave., Rumford, R. I. 100 1HU Karl, Henry J. 568 Union St., New Bedford, Mass. 30 1ID Kehoe, Francis. 41 Walnut St., Boston, Mass. 250 1IC Keller, Adrian C. 36 Grand View Ave., Medford, Mass. 190 1CY Kelley, Lawrence E. 35 Saunders St., Allston, Mass. 150 1AF Kelsey, Donald L. 67 Rankin St., Rockland, Me. 80 1OA Kenison, Arthur C. 45 Parker St., Lexington, Mass. 1,000 1JP Knapp, Everett L. 39 Otis St., Melrose, Mass. 8 1LP Knight, Hugh C. 312 Melrose St., Melrose Highlands, Mass. 1,000 1JF Knowlton, Dean W. 38 High St., Botton, Mass. 30 1KT Knight, Oscar F. 201 Pleasant St., Attleboro, Mass. 20 1FB Knowlton, Henry E. Eagle Island, Me. 25 1KH Lally, Charles A. 12 Lincoln St., North Adams, Mass. 50	1AP	Johnson, Ernest B		
1MJ Judkins, Nathaniel B. 1474 Pawtucket Ave., Rumford, R. I. 100 1LL Justice, Francis C. 148 Tremont St., Newton, Mass. 100 1HU Karl, Henry J. 568 Union St., New Bedford, Mass. 30 1ID Kehoe, Francis. 41 Walnut St., Boston, Mass. 250 1IC Keller, Adrian C. 36 Grand View Ave., Medford, Mass. 190 1CY Kelley, Lawrence E. 35 Saunders St., Allston, Mass. 150 1AF Kelsey, Donald L. 67 Rankin St., Rockland, Me. 80 1OA Kenison, Arthur C. 45 Parker St., Lexington, Mass. 1,000 1JP Knight, Hugh C. 39 Otis St., Melrose, Mass. 1,000 1PI Knight, Maurice E. 3 Edwin St., Boston, Mass. 30 1FN Knowlton, Dean W. 38 High St., Belfast, Me. 30 1FN Knowlton, Henry E. Eagle Island, Me. 25 1KH Lally, Charles A. 12 Lincoln St., North Adams, Mass. 10 1IN Lanouette, Kenneth H. 2 Lincoln St., North Adams, Mass. 18 1AT	1MK	Johnson, Thurston A	123 Winthrop St., Winthrop, Mass	
1LL Justice, Francis C. 148 Tremont St., Newton, Mass. 100 1HU Karl, Henry J. 568 Union St., New Bedford, Mass. 30 1IC Kelher, Adrian C. 36 Grand View Ave., Medford, Mass. 190 1CY Kelley, Lawrence E. 35 Saunders St., Allston, Mass. 150 1AF Kelsey, Donald L. 67 Rankin St., Rockland, Me. 80 1OA Kenison, Arthur C. 45 Parker St., Lexington, Mass. 1,000 1JP Knapp, Everett L. 39 Otis St., Melrose, Mass. 8 1LP Knight, Hugh C. 39 Otis St., Melrose Highlands, Mass. 1,000 1RT Knight, Oscar F. 201 Pleasant St., Attleboro, Mass. 30 1FN Knowlton, Dean W. 38 High St., Belfast, Me. 30 1FB Knowlton, Henry E. Eagle Island, Me. 25 1KH Lally, Charles A. 12 Lincoln St., North Adams, Mass. 10 1IN Lane, Frederic A. 7 Madison Ave., Gloucester, Mass. 250 1JZ Lanouette, Kenneth H. 21 Houston Ave., Milton, Mass. 18 1AT<	1MJ		1474 Pawtucket Ave., Rumford, R. I	100
HIU Karl, Henry J	1LL		148 Tremont St., Newton, Mass	100
1ID Kehoe, Francis. 41 Walnut St., Boston, Mass. 250 1IC Keller, Adrian C. 36 Grand View Ave., Medford, Mass. 190 1AF Kelsey, Donald L. 67 Rankin St., Rockland, Me. 80 1OA Kenison, Arthur C. 45 Parker St., Lexington, Mass. 1,000 1JP Knapp, Everett L. 39 Otis St., Melrose, Mass. 8 1LP Knight, Hugh C. 132 Melrose St., Melrose, Mass. 1,000 1RT Knight, Oscar F. 201 Pleasant St., Attleboro, Mass. 20 1FN Knowlton, Dean W. 38 High St., Belfast, Me. 30 1FN Knowlton, Henry E. Eagle Island, Me. 25 1KH Lally, Charles A. 12 Lincoln St., North Adams, Mass. 500 1GD Lane, Frederic A. 7 Madison Ave., Gloucester, Mass. 250 1JZ Lanouette, Kenneth H. 21 Houston Ave., Milton, Mass. 18 1EE Larsen, Reidar. 46 Cabot St., Roxbury, Mass. 30 1VH Lawford, Arthur H. 292 Main St., Bar Harbor, Me. 1,000 1IS <td< td=""><td>1HU</td><td></td><td>568 Union St., New Bedford, Mass</td><td>30</td></td<>	1HU		568 Union St., New Bedford, Mass	30
IIC Keller, Adrian C. 36 Grand View Ave., Medford, Mass. 190 ICY Kelley, Lawrence E. 35 Saunders St., Allston, Mass. 150 IAF Kelsey, Donald L. 67 Rankin St., Rockland, Me. 80 IOA Kenison, Arthur C. 45 Parker St., Lexington, Mass. 1,000 IJP Knapp, Everett L. 39 Otis St., Melrose, Mass. 8 ILP Knight, Hugh C. 32 Melrose St., Melrose Highlands, Mass. 1,000 IFI Knight, Maurice E. 3 Edwin St., Boston, Mass. 30 IKT Knight, Oscar F. 201 Pleasant St., Attleboro, Mass. 20 IFN Knowlton, Dean W. 38 High St., Belfast, Me. 30 IFB Knowlton, Henry E. Eagle Island, Me. 25 IKH Lally, Charles A. 12 Lincoln St., North Adams, Mass. 50 IJZ Lanouette, Kenneth H. 10 Oakland Ave., Alington Heights, Mass. 50 IJZ Lanouette, Kenneth H. 21 Houston Ave., Milton, Mass. 18 1AT Lawford, Arthur H. 292 Main St., Bar Harbor, Me. 1,000	1ID		41 Walnut St., Boston, Mass	
1CY Kelley, Lawrence E. 35 Saunders St., Allston, Mass. 150 1AF Kelsey, Donald L. 67 Rankin St., Rockland, Me. 80 1OA Kenison, Arthur C. 45 Parker St., Lexington, Mass. 1,000 1JP Knight, Hugh C. 39 Otis St., Melrose, Mass. 8 1PI Knight, Maurice E. 3 Edwin St., Boston, Mass. 30 1FK Knowlton, Dean W. 38 High St., Boston, Mass. 20 1FB Knowlton, Dean W. 38 High St., Belfast, Me. 30 1FB Knowlton, Henry E. Eagle Island, Me. 25 1KH Lally, Charles A. 12 Lincoln St., North Adams, Mass. 500 1KH Lanson, Horatio W. 10 Oakland Ave., Arlington Heights, Mass. 500 1JZ Lanouette, Kenneth H. 21 Houston Ave., Milton, Mass. 18 1BEE Larsen, Reidar. 46 Cabot St., Roxbury, Mass. 30 1AT Lawford, Arthur H. 292 Main St., Bar Harbor, Me. 1,000 1BS Leach, George F. 513 Liberty St., Rockland, Mass. 100 1UZ <td< td=""><td>1IC</td><td>Keller, Adrian C</td><td>36 Grand View Ave., Medford, Mass</td><td>190</td></td<>	1IC	Keller, Adrian C	36 Grand View Ave., Medford, Mass	190
10A	1CY	Kelley, Lawrence E	35 Saunders St., Allston, Mass	150
IJP Knapp, Everett L 39 Otis St., Melrose, Mass. 8 ILP Knight, Hugh C 132 Melrose St., Melrose Highlands, Mass. 1,000 IRT Knight, Oscar F 201 Pleasant St., Attleboro, Mass. 20 IFN Knowlton, Dean W 38 High St., Belfast, Me. 30 IFB Knowlton, Henry E Eagle Island, Me. 25 IKH Lally, Charles A 12 Lincoln St., North Adams, Mass. 500 IIN Lamson, Horatio W 10 Oakland Ave., Arlington Heights, Mass. 500 IJZ Lanouette, Kenneth H 21 Houston Ave., Milton, Mass. 18 IEE Larsen, Reidar 46 Cabot St., Roxbury, Mass. 30 IXT Lawford, Arthur H 292 Main St., Bar Harbor, Me 1,000 IVH Leach, George F 513 Liberty St., Rockland, Mass. 100 IVE Learned, Alpha A 76 Camp St., Providence, R. I 50 IVIZ Leighton, Harold M 25 Walnut St., Lynn, Mass 15 INZ Leighton, Harold W 34 Wyman St., Jamaica Plain, Mass 50 INW Linn, Harold W 107 Alden St., Whitman, Mass 250 <td>1AF</td> <td>Kelsey, Donald L</td> <td>67 Rankin St., Rockland, Me</td> <td></td>	1AF	Kelsey, Donald L	67 Rankin St., Rockland, Me	
IJP Knapp, Everett L 39 Otis St., Melrose, Mass. 8 ILP Knight, Hugh C 132 Melrose St., Melrose Highlands, Mass. 1,000 IRT Knight, Oscar F 201 Pleasant St., Attleboro, Mass. 20 IFN Knowlton, Dean W 38 High St., Belfast, Me. 30 IFB Knowlton, Henry E Eagle Island, Me. 25 IKH Lally, Charles A 12 Lincoln St., North Adams, Mass. 500 IIN Lamson, Horatio W 10 Oakland Ave., Arlington Heights, Mass. 500 IJZ Lanouette, Kenneth H 21 Houston Ave., Milton, Mass. 18 IEE Larsen, Reidar 46 Cabot St., Roxbury, Mass. 30 IXT Lawford, Arthur H 292 Main St., Bar Harbor, Me 1,000 IVH Leach, George F 513 Liberty St., Rockland, Mass. 100 IVE Learned, Alpha A 76 Camp St., Providence, R. I 50 IVIZ Leighton, Harold M 25 Walnut St., Lynn, Mass 15 INZ Leighton, Harold W 34 Wyman St., Jamaica Plain, Mass 50 INW Linn, Harold W 107 Alden St., Whitman, Mass 250 <td>10A</td> <td>Kenison, Arthur C</td> <td>45 Parker St., Lexington, Mass</td> <td>1,000</td>	10A	Kenison, Arthur C	45 Parker St., Lexington, Mass	1,000
1PI Knight, Maurice E. 3 Edwin St., Boston, Mass. 30 1KT Knight, Oscar F. 201 Pleasant St., Attleboro, Mass. 20 1FN Knowlton, Dean W. 38 High St., Belfast, Me. 30 1FB Knowlton, Henry E. Eagle Island, Me. 25 1KH Lally, Charles A. 12 Lincoln St., North Adams, Mass. 500 1IN Lane, Frederic A. 7 Madison Ave., Gloucester, Mass. 250 1JZ Lanouette, Kenneth H. 21 Houston Ave., Milton, Mass. 18 1EE Larsen, Reidar. 46 Cabot St., Roxbury, Mass. 30 1AT Lawford, Arthur H. 292 Main St., Bar Harbor, Me. 1,000 1VH Lawson, Allan. 217 Rockwell St., Winsted, Conn. 100 1IS Lear, George F. 513 Liberty St., Rockland, Mass. 100 1UH Lear, George F. 513 Liberty St., Providence, R. I. 50 1UZ Learned, Alpha A. 76 Camp St., Providence, R. I. 24 1IF Leighton, Harold M. 25 Walnut St., Jamaica Plain, Mass. 15 1NZ Leutz, Charles R. 34 Wyman St., Jamaica Plain, Mass. 50	1JP	Knapp, Everett L	39 Otis St., Melrose, Mass	
IKT Knight, Oscar F. 201 Pleasant St., Attleboro, Mass. 20 IFN Knowlton, Dean W. 38 High St., Belfast, Me. 30 IFB Knowlton, Henry E. Eagle Island, Me. 25 IKH Lally, Charles A. 12 Lincoln St., North Adams, Mass. 500 IIN Lane, Frederic A. 7 Madison Ave., Gloucester, Mass. 250 IJZ Lanouette, Kenneth H. 21 Houston Ave., Milton, Mass. 18 IEE Larsen, Reidar. 46 Cabot St., Roxbury, Mass. 30 IAT Lawford, Arthur H. 292 Main St., Bar Harbor, Me. 1,000 IVH Lawford, Arthur H. 292 Main St., Roxbury, Mass. 100 IIS Leach, George F. 513 Liberty St., Rockland, Mass. 100 IUZ Learned, Alpha A. 76 Camp St., Providence, R. I. 50 IUZ Leighton, Harold M. 25 Walnut St., Lynn, Mass. 15 INZ Leutz, Charles R. 34 Wyman St., Jamaica Plain, Mass. 50 INW Linn, Harold W. 107 Alden St., Whitman, Mass. 250	1LP		132 Melrose St., Melrose Highlands, Mass.	
IFN Knowlton, Dean W. 38 High St., Belfast, Me. 30 1FB Knowlton, Henry E. Eagle Island, Me. 25 1KH Lally, Charles A. 12 Lincoln St., North Adams, Mass.				
1FB			201 Pleasant St., Attleboro, Mass	
IKH Lally, Charles A. 12 Lincoln St., North Adams, Mass.			38 High St., Bellast, Me	
1IN Lamson, Horatio W			Eagle Island, Me	25
1GD Lane, Frederic A 7 Madison Ave., Gloucester, Mass. 250 1JZ Lanouette, Kenneth H 21 Houston Ave., Milton, Mass. 18 1EE Larsen, Reidar. 46 Cabot St., Roxbury, Mass. 30 1AT Lawford, Arthur H 292 Main St., Bar Harbor, Me. 1,000 1VH Lawson, Allan 217 Rockwell St., Winsted, Conn. 100 1IS Leach, George F 513 Liberty St., Rockland, Mass. 100 1UH Lear, George F 134 Broadway, Newport, R. I 50 1UZ Learned, Alpha A 76 Camp St., Providence, R. I 24 LiF Leighton, Harold M 25 Walnut St., Lynn, Mass 15 1NZ Leutz, Charles R 34 Wyman St., Jamaica Plain, Mass 50 1MW Linn, Harold W 107 Alden St., Whitman, Mass 250				
1JZ Lanouette, Kenneth H 21 Houston Ave., Milton, Mass. 18 1EE Larsen, Reidar. 46 Cabot St., Roxbury, Mass. 30 1AT Lawford, Arthur H 292 Main St., Bar Harbor, Me. 1,000 1VH Lawson, Allan. 217 Rockwell St., Winsted, Conn. 100 1IS Leach, George F. 513 Liberty St., Rockland, Mass. 100 1UH Lear, George F. 134 Broadway, Newport, R. I. 50 1UZ Learned, Alpha A. 76 Camp St., Providence, R. I. 24 1IF Leighton, Harold M. 25 Walnut St., Lynn, Mass. 15 1NZ Leutz, Charles R. 34 Wyman St., Jamaica Plain, Mass. 50 1MW Linn, Harold W. 107 Alden St., Whitman, Mass. 250			10 Oakland Ave., Arlington Heights, Mass.	
1EE Larsen, Reidar. 46 Cabot St., Roxbury, Mass. 30 1AT Lawford, Arthur H. 292 Main St., Bar Harbor, Me. 1,000 1VH Lawson, Allan. 217 Rockwell St., Winsted, Conn. 100 1IS Leach, George F. 513 Liberty St., Rockland, Mass. 100 1UH Lear, George F. 134 Broadway, Newport, R. I. 50 1UZ Learned, Alpha A. 76 Camp St., Providence, R. I. 24 1IF Leighton, Harold M. 25 Walnut St., Lynn, Mass. 15 1NZ Leutz, Charles R. 34 Wyman St., Jamaica Plain, Mass. 50 1MW Linn, Harold W. 107 Alden St., Whitman, Mass. 250			7 Madison Ave., Gloucester, Mass	
1AT Lawford, Arthur H 292 Main St., Bar Harbor, Me 1,000 1VH Lawson, Allan 217 Rockwell St., Winsted, Conn 100 1IS Leach, George F 513 Liberty St., Rockland, Mass 100 1UH Lear, George F 134 Broadway, Newport, R. I 50 1UZ Learned, Alpha A 76 Camp St., Providence, R. I 24 1IF Leighton, Harold M 25 Walnut St., Lynn, Mass 15 1NZ Leutz, Charles R 34 Wyman St., Jamaica Plain, Mass 50 1MW Linn, Harold W 107 Alden St., Whitman, Mass 250			21 Houston Ave., Milton, Mass	
1VH Lawson, Allan 217 Rockwell St., Winsted, Conn. 100 1IS Leach, George F. 513 Liberty St., Rockland, Mass. 100 1UH Lear, George F. 134 Broadway, Newport, R. I. 50 1UZ Learned, Alpha A. 76 Camp St., Providence, R. I. 24 1IF Leighton, Harold M. 25 Walnut St., Lynn, Mass. 15 1NZ Leutz, Charles R. 34 Wyman St., Jamaica Plain, Mass. 50 1MW Linn, Harold W. 107 Alden St., Whitman, Mass. 250				
1IS Leach, George F. 513 Liberty St., Rockland, Mass. 100 1UH Lear, George F. 134 Broadway, Newport, R. I. 50 1UZ Learned, Alpha A. 76 Camp St., Providence, R. I. 24 1IF Leighton, Harold M. 25 Walnut St., Lynn, Mass. 15 1NZ Leutz, Charles R. 34 Wyman St., Jamaica Plain, Mass. 50 1MW Linn, Harold W. 107 Alden St., Whitman, Mass. 250			272 Main St., Dar narbor, Me	
1UH Lear, George F. 134 Broadway, Newport, R. I. 50 1UZ Learned, Alpha A. 76 Camp St., Providence, R. I. 24 11F Leighton, Harold M. 25 Walnut St., Lynn, Mass. 15 1NZ Leutz, Charles R. 34 Wyman St., Jamaica Plain, Mass. 50 1MW Linn, Harold W. 107 Alden St., Whitman, Mass. 250			512 Tiberty St. Dockland Man	
11F Leighton, Harold M			124 Product Normand D T	
11F Leighton, Harold M			76 Comp St. Providence D. I	
1NZ Leutz, Charles R 34 Wyman St., Jamaica Plain, Mass 50 1MW Linn, Harold W 107 Alden St., Whitman, Mass 250		Learned, Alpha A	70 Camp St., Frevidence, K. I	
1MW Linn, Harold W 107 Alden St., Whitman, Mass 250			24 Wang St. Tomojoo Plain Wass	
		Tinn Harold W	107 Alden St. Whitmen Mess	
1 Dipson, Daward 30 Overles Ave., Dast baugus, Mass) 000		Lincon Edward		
	TOO	Lipson, Edward	oo Overies Ave., rast Saugus, Mass	000

AMATEUR RADIO STATIONS—FIRST DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
1 TZ	Lisker, William	141 Chester Ave., Providence, R. I	Watts.
1PK	Loheed, William J., jr	12 Clifton Ave., Campello, Mass	24
1BM	Lomnitzer, Frank W	1365 E. Main St., Bridgeport, Conn	495
1WU	Loomis, Harold C	18 Oakland Ter., Hartford, Conn	100
1KI	Loring, Wilfred B	Plympton, Mass	30
1NY	Lovis, Donald B	26 Adelaide St., Jamaica Plain, Mass	100
1FF	Lowell, Philip E	Portland Pier, Portland, Me	275
1BY	Lyman, Reginald P	27 S. Main St., Rutland, Vt.	15
1NT 1HE	Lynch, John P.	260 Geneva Ave., Dorchester, Mass	30
1ML	Lynde, Kenneth R	20 Cloelia Ter., Newtonville, Mass	100 500
1IM	Lyon, William H Macdonald, Erving L	East Lexington, Mass	80
iRE	MacLeod, Charles M	11 St. Stephens Court, Lynn, Mass	18
1FQ	Macomber, Leroy W	11 Bayview St., Belfast, Me	250
1TŇ	Mahoney, Charles J	18 Pond Ave., Newport, R. I	100
1TG	Manchester, Arthur W	31 Newport Ave., Newport, R. I	250
1TH	Mnauel, Lloyd	9 Bayside Ave., Newport, R. I	500
1AB	Marden, Frank O	25 Robinson St., South Portland, Me	100
1GP	Marsh, Albert A	2 Albion Pl., Chelsea, Mass	55
1NG 1BH	Marshall, T. Stanley	1 Hobart St., Danvers, Mass	1,000 500
iww	Martineau, E. Joseph Maurer, Frank T	1 Lafayette St., Lewiston, Me	100
ier	McCurdy, Bruce H	145 Main St., Malden, Mass	35
iNW	McDermott, Joseph H	Belmont, Mass	215
1QQ	McGrath, Joseph L	206 Fayette St., Wollaston, Mass	100
1ČX	McIntosh, Harold W	431 Great Plains Ave., Needham, Mass	25
1FH	McIntyre, Harris B	65 Court St., Houlton, Mass	30
1CU	McKay, Preston L	54 Plymouth St., North Carver, Mass	18
1CM	McLane, Henry R	342 Union Ave., Laconia, N. H	1,000
1LX 1KM	McMahon, William G	6 Rockland St., Melrose Highlands, Mass.	20
1FM	Meekin, William J	34 Custer St., Rockland, Mass	250
1FJ	Meggison, Forrest L Meggison, Wilbur P	82 Central St., Westbrook, Me	• • • • • •
1EG	Meirowitz, David	269 West St., Pittsfield, Mass	
1CV	Meirowitz, Harry	176 West St., Pittsfield, Mass	25
1QH	Melvin, Arthur W	R. F. D. No. 1, Chelmsford, Mass	250
1EU	Merrill, Donald F	282 Buckminster Rd., Brookline, Mass	475
1FR	Merrow, Elmer R	R. F. D. No. 6, Auburn, Me	100
1BP	Mills, Bruce M	48 Crescent St., Rutland, Vt	_50
1VN	Miner, Robert S	11 Girard Ave., Hartford, Conn	770
1SX 1VU	Moore, George M	295 Beale St., Wollaston, Mass	250 10
1BK	Morse, Harold J Morse, Walter J	40 Clark St., Hartford, Conn	100
1Q0	Morton, Adelbert R	79 Lonsdale St., Dorchester, Mass	24
îĞŎ	Morton, Sidney	6 Francis Ave., Pittsfield, Mass.	330
110	Mosher, Clifton E	11 Jenny Lind St., New Bedford, Mass	30
1LY	Moulton, Albert B	26 Monadnock Rd., Worcester, Mass	500
1TB	Mulvihill, Francis A	369 Main St., New Britain, Conn	440
1HW	Munroe, Henry W. T	38 Beacon St., Everett, Mass	500
1RB	Murphy, Denis L	Lancaster, Mass	100
1LZ	Murphy, Dudley B	176 Highland Ave., Winchester, Mass	
1PX 1QF	Murphy, Harry J Nash, Paul	Florence, Mass	50 15
1FS	Nash, William A	43 Granite St., Biddeford, Me	500
iDO -	Nelson, Nels N.	58 Fairview St., New Britain, Conn	50
1WN	Neuhaus, Theodore F	Windsor, Conn	200
1RY	Newcomb, Roland D	16 Webster St., Atlantic, Mass	500
1 <u>TO</u>	Newton, Raymond C	292 California Ave., Providence, R. I	25
1KZ	Nichols, John S	825 North St., Pittsfield, Mass	1,000
1FU	Nicholson, James H	119 Washington Ave., Portland, Me	600

Amateur Radio Stations—First District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
TOTT	N' l D	W. A. I. M. A. L. M. A.	Watts.
IGH	Nickerson, Arthur B	Hotel Thorwald, Gloucester, Mass	50
1JA 1RU	Nock, Herbert F	6 Hunting St., Attleboro, Mass.	500 20
IQA	Norcross, Warren Nyquist, Norman A	Needham, Mass	100
İŠÛ	O'Brien, David W	178 Second St. Pittsfield Mass	500
iΪΧ	Ohlson, Olof	178 Second St., Pittsfield, Mass	250
ISD	Ohlson, OlofOliver, Herbert W	164 Allen Ave., Lynn, Mass	275
1CK	Onens, Clarence E	820 Front St., Chicopee, Mass	100
1DS	Ostlund, Axel F	559 Broad St., Hartford, Conn	100
1MO	Ostrander, Freeman K.,	78 Charles St., Springfield, Mass	500
1WK	jr. Palmer, Rae C	320 Wethersfield Ave., Hartford, Conn	550
1RC	Papkee, Edward D	16 Garden St., Medford, Mass	8
1JC	Parker, John A	246 Broadway, Somerville, Mass	250
1SH	Parmelee, Albert O	Reading, Mass	100
lie	Paton, Raymond	613 California St., Newtonville, Mass	
11G 10M	Patten, Ernest L. O	11 Holmes St., Malden, Mass	210 100
IUB	Payson, Gilbert R., jr Pease, Reginald M	545 Belmont St., Belmont, Mass 5 W. Park St., Providence, R. I	18
iun	Peckham, J. Wallace	Middletown, R. I	100
1VY	Pember, Harold N	2 Cone St., Hartford, Conn	250
1MN	Pennell, Leon	69 N. Main St., Brockton, Mass	100
1KF	Pennypacker, Thomas R.	Chatham, Mass	160
1RF	Pennypacker, Thomas R.	6 Chauncy St., Cambridge, Mass	110
1UV	Perry, Foster N	62 Elm St., Westerly, R. I	300
IAI	Perry, Horace R	74 Winter St., Portland, Me	170
1EM	Peterson, Alexander H	154 Westminster Ave., Arlington Heights, Mass.	1,000
1DB	Peterson, Hans C. W	44 New King St., Thompsonville, Conn	275
1KK	Pettey, Raymond A	Dartmouth, Mass	242
1EW	Phelan, Lawrence T	102 Rodman St., Fall River, Mass	30
ISE	Phillips, Henry D	11 Haskell St., Cambridge, Mass	100
1AO 1IL	Pickles, Joseph A	38 Emery St., Sanford, Me	20 275
iwx	Pierce, Robert	70 Westland Ave., Boston, Mass	110
iJS	Powell, (Miss) Cecil Powers, Leonard S	451 New Britain Ave., Hartford, Conn	110
1DR	Pranitis, George S	431 Plymouth St., Carver, Mass	100
1JG	Pratt. Fearing	120 Main St., Hingham, Mass	250
1AN	Pratt, Fearing Pratt, Rhama W	207 Longfellow St., Westbrook, Me	250
1PJ	Pratt, Walter L Priest, Holden C	50 Hartsuff St., Rockland, Mass	100
1KE	Priest, Holden C	101 Abbottsford Rd., Brookline, Mass	500
1QM	Proulx, George H	147 Pemberton St., Cambridge, Mass	100
1PY	Pulley, Lester A Purssell, Clarence V	33 Porter St., Melrose, Mass	500
1MP 1RP	Pandall Eugene E	1257 Morton St., Dorchester, Mass	250
1PZ	Randall, Eugene F Ranlett, Frederick J., jr.	27 Cotting St., Medford, Mass	110 100
1AG	Ray, Charles H	Auburn Me	60
ion	Readio, George U	Auburn, Me	1,000
1DY	Redick, Kenneth T	Newington Conn	250
1CQ	Reed, Coleman C	672 Marlboro St., Keene, N. H	204
1PO	Reed, Leslie S	672 Marlboro St., Keene, N. H	750
1BO	Reed, Sherman A	19 Dunbar St., Keene, N. H.	500
1LA	Remington, Kenneth F.	747 High St., Fall River, Mass	500
1EZ	Revere High School Reynolds, Walter W	Revere, Mass.	250
1CP 1SG	Rice Relab W	19 Marlboro St., Belmont, Mass	250 30
1AR	Rice, Ralph W	31 Vinal Ave., Somerville, Mass	250
1IA	Richmond, Harold B	Cedar Ave., Bar Harbor, Me	400
ijX	Rinaldi, Henry L	34-A Ibbetson St., Somerville, Mass	100

Amateur Radio Stations—First District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Powe
1			Watt
1CC	Robert, Fortuna	457 E. High St., Manchester, N. H	77 000
IDD	Robillard, Paul	149 State St., New London, Conn	2
ISR	Robinson, Alfred L	2458 Massachusetts Ave., North Cam-	10
LOIG	Robinson, Amou II	bridge, Mass.	10
IBR	Robinson, B. C	St. Johnsbury Center, Vt	5
IGR	Robinson, Henry S	136 Pleasant St., Attleboro, Mass	50
IFE	Robinson, Laurence B.	R. F. D. No. 2, Gorham, Me.	2
EJ	Robinson, Philip F	140 Hollig Avro Prointree Mass	2
AS		149 Hollis Ave., Braintree, Mass	
	Rochelau, William H	71 Church St., Westbrook, Me	2
MR	Roddin, Thomas	90 Pine St., Belmont, Mass.	5
BS	Rolph, Henry D	16 River St., Stamford, Conn	1
EL	Rosenbloom, William	108 Thornton St., Revere, Mass	5
MS	Rowell, Kendall B	135 Dale St., Waltham, Mass	5
JR	Ruggles, Clifford L	6 Simonds Court, Medford, Mass	
LLS	Runey, Leon C	49 Fairmont St., Belmont, Mass	2
BT	Rusack, Sidney L	192 Adams St., Lakewood, R. I	
RR	Rusk, Ian M	West Townsend, Mass	2
HV	Ryan, James A	13 Knowlton St., Somerville, Mass	1
WT	Salzgeber, John W	81 W. Main St., Ivoryton, Conn	1
WH	Sam, Chin King	17 N. Elm St., Waterbury, Conn	
DX	Sandreuter, Stuart	Stamford, Conn	1
HL	Sargent, Frederick G	Westford, Mass	7
QB	Saunders, George B	52 Francis St., Boston, Mass.	i
WR	Sawtelle, Donald F	184 Gilbert Ave., New Haven, Conn	
HK			4
VX	Sayward, Lyman W	253 Belmont St., Quincy, Mass	2
DH	Schmidt, Paul	54 Oak St., Hartford, Conn	
	Schrump, Francis E	58 Fairview St., New Britain, Conn	0
IAH	Schultz, W. R.	3 Hawks Ave., Eastport, Me	2
ILM	Scott, Kenneth G	27 E. Allston St., Somerville, Mass	1
ILT	Scott, Ralph A	952 Franklin St., Melrose Highlands, Mass.	2
INO	Sharpe, Floyd H	260 Tinkham Ave., New Bedford, Mass	2
lIU	Shattuck, George E	227 Broad St., North Attleboro, Mass	
IBN	Shaw, Raymond H	10 E. Washington St., Rutland, Vt	
LDC	Sheehan, Walter J	40 Terrace Ave., Waterville, Conn	1,0
LAV	Sherman, Calvin A	80 Camden St., Rockland, Me	
1GG	Shirt, Arthur G	18 Augustus St., Fall River, Mass	3
IRX	Shorey, G. Faxon	249 Grove St., Melrose, Mass	
ISA	Sias, Cyril W	246 Oakland St., Springfield, Mass	
IWO	Simkin, Colin	44 High St., Hartford, Conn	6
HD	Simmonds, Earle G	185 S. Main St., Attleboro, Mass	
IDF	Simsbury High School	Simphury Conn	3
IRQ	Sistare, Donald B	Simsbury, Conn	
IVI	Slawson, Spencer W	Brookside Drive, Greenwich, Conn	2
	Slawson, Spencer W		
IJH	Sleeper, Dorman D	327 Broadway, South Boston, Mass	1
IAD	Smith, Edward S. C	55 South St., Biddeford, Me	1
100	Smith, Kirk E	300 Park St., West Springfield, Mass	2
IVT	Smith, Lewis J	112 Chestnut St., Norwich, Conn	1
IEK	Snow, Albert E	Orleans, Mass	
IJF	Snow, Albert E	30 Carry Ave., Chelsea, Mass	7
lGA	Snow, Harold C	41 Paradise Rd., Swampscott, Mass	2
IRT	Snow, Raymond A	19 Gage St., Needham, Mass	1
$_{ m LBJ}$	Somerville, Paul S	32 Cliff St., St. Johnsbury, Vt	2
1TT	Soney, Henry C	292 Oxford St., Providence, R. I	1
IOV	Southwick, Arthur M	176 Waban Ave., Waban, Mass	
ITE	Sparrow, Edward C	Jamestown, R. I	
iQX	Spaulding, Ralph H	14 Alberta Ter., Cambridge, Mass	
1QT	Sperling, John G., jr	23 County St., Ipswich, Mass	
1FG	Spinney, Charles E	24 Winter St., Sanford, Me	5
		Nowton Lower Falls Mass	2
1EN	Spring, Joseph H	Newton Lower Falls, Mass	
10W	Stackhouse, Walter T	86 Crescent Ave., Revere, Mass	5

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Amateur Radio Stations—First District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
10017	Caralanda Nalan D	Tot Min and Sain A Branch A	Watts.
1TU	Stackpole, Nelson B	725 Mineral Spring Ave., Pawtucket, R. I.	250
IVR	Stagg, Uberto K	Noroton Heights, Conn	10
1WP	Stallworth, Henry H	50 Liberty St., Hartford, Conn	8
1GZ	Stansfield, Arthur C	17 Montgomery St., Lawrence, Mass	40
1IB 1LU	Stanyan, Starr W Staples, Loyed E	76 Boston Ave., West Medford, Mass 145 Matfield St., East Bridgewater, Mass	500 20
1TQ	Stark, William H	258 Ives St., Providence, R. I	100
1NM	Starkweather, John B	17 Gibson Rd., Newtonville, Mass	250
1DL	Steele, Maitland	17 Gibson Rd., Newtonville, Mass 1202 Park St., West Hartford, Conn	275
1RW	Steeves, Arthur	260 Brighton Ave., Boston, Mass	60
1LN	Sterling, Roy	21 Coral St., Lowell, Mass	100
1CA 1IZ	Stimson, Robert C	New London, N. H	40
1QI	St. James, Robert T St. James, Vincent	38 Avery Lane, Great Barrington, Mass 258 1st St., Pittsfield, Mass	775 770
1QU	Stolba, Nestor W		100
1BL	Stone, Clayton P	171 Mt. Vernon St., Fitchburg, Mass 14 Portland St., St. Johnsbury, Vt	100
1EI	Strang, Paul S. & Olin T.	58 N. Beacon St., Allston, Mass	150
10Q	Struthers, Francis W	Townsend, Mass	440
1BG	Stuart, Hamilton C	12 Main St., St. Johnsbury, Vt	500
1CE 1NF	Sturtevant, Foster E Sutcliffe, Raymond S	29 Foster St., Fall River, Mass	440
1TW	Sweet, George A., jr	14 Washington St., Central Falls, R. I	550
1CN	Swift, Leo M	109 Hancock St., Whitman, Mass	180
1AK	Tabbut, Arthur R	6 1st South St., Bar Harbor, Me	250
1KR	Tarr, A. Myron	Gloucester, Mass	
10X	Tarr, Melville S	45 Parker St., Chelsea, Mass	100
1BZ 1OD	Taylor, George F	Kennebunk, Me.	1,000
1QD	Taylor, Walter A Therrien, Arthur J	73-A Cross St., Somerville, Mass	120
1RH	Thompson, James H	319 South Ave., Whitman, Mass.	100
1UI	Thornley, Howard W	7 Belmont St., Pawtucket, R. I	300
1TD	Tilley, Henry H	5 Dartmouth St., Newport, R. I	100
1EA	Tillinghast, George H	373 Knight St., Providence, R. I	300
10P	Tillson, Francis M	67 Dover St., Whitman, Mass	
$_{ m 1JN}$ $_{ m 1HB}$	Towne, Harold M Travis, Gerald E	55 Edward Ave., Pittsfield, Mass	640
1NP	Travis, Gerald E	38 Montebello Rd., Jamaica Plain, Mass	20
1LV	Tufts, J. Warren	11 Clarendon Ave., West Somerville,	250
		Mass.	-37(3)
1JJ	Tufts Wireless Society	Medford, Mass	500
1UK	Tutin, Kenneth A	312 Blackston St., Woonsocket, R. I	100
1JW 1OI	Tuttle, William O Tyrrell, Alanson B	146 Pearl St., Somerville, Mass 8 Ellis Ave., Medford, Mass	18
1KV	Veeder, Chester F	Goswold, Mass	100
1VB	Verbyla, Albert E	7 Center St., Danbury, Conn	100
1VS	Viets, Grohman	East Granby, Conn	30
1PF	von Colln, Gustaf Wadland, Victor N	44 Flynt St., Quincy, Mass	125
1SM	Wadland, Victor N	16 Lynde Ave., Melrose, Mass	500
1QC $1VE$	Wadsworth, Arthur G	Eastham, Mass	100
1IV	Walker, Alva S Walker, Edward C., 3d	69 Dearfield Drive, Greenwich, Conn 60 Fenway St., Boston, Mass	250 150
1KC	Wallace, Ralph H	1192 Morton St., Dorchester, Mass	45
1JM	Walter, Elmer H	39 Cleveland St., Melrose, Mass	10
1BW	Walton, Harold F	39 Cleveland St., Melrose, Mass. 104 Elm St., Montpelier, Vt.	100
1TC	Ward, J. Stedman	16 John St., Newport, R. 1	500
1IP	Ware, Stanley P	75 Winthrop St., Everett, Mass	300
1MU 1JI	Warren, Bertram E Watson Paul W	103 Lexington St., Waltham, Mass	250
1EB	Watson, Paul W Watson, William F., jr	17 Waverly St., Everett, Mass	200

Amateur Radio Stations—First District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
15051	Colombia Summer		Watts.
1FZ	Weber, John H	12 Russell St., Lewiston, Me	83
1CL	Webster, Fullerton D	12 Hampshire St., Everett, Mass	200
1CR	Wellington, Ellsworth	Lunda St., Waltham, Mass	150
1PP	Welsh, Michael J	98 Tremont St., Melrose, Mass	15
1PH	Werner, Gustave A. F	73 Hollingsworth St., Lynn, Mass	250
1RV	West, Howard E	63 Chestnut Hill Ave., Brighton, Mass	50
1MZ	White, Dallas E	35 Trowbridge St., Cambridge, Mass	100
1BE	White, Earle B	Belfast, Me	100
1QW	White, Thomas C	53 Perkins Ave., Malden, Mass	20
1PD	Whittier, Ellerton W	63 Terrace Ave., Winthrop, Mass	330
1DQ	Wilbur, Arthur E	61 Otis St., Norwich, Conn	260
1GW	Wiley, James D	1548 Beacon St., Waban, Mass	36
1BC	Wilson, Walter F	27 Grand St., South Portland, Me	150
1GF	Wolf, Charles F., jr	62 Division St., Pittsfield, Mass	40
1MM	Wood, Manson E	14 Armory St., Wakefield, Mass	· 100
1BD	Woodhead, Edward F	56 Summer St., Lewiston, Me	100
1RL	Wright, Wendell L	114 Exchange St., Rockland, Mass	250
1CO	Young, Sumner B	294 Ashmont St., Dorchester, Mass	50
1DG	Yuon, Robert C	543 Stanley St., New Britain, Conn	24
1PS	Zahn, Edward G	11 Enfield St., Jamaica Plain, Mass	21
1MD	Ziegler, Alfred A., jr	36 Greenough Ave., Jamaica Plain, Mass	250
10Y	Zwinge, Conrad J	776 Winthorp Ave, Revere, Mass	250

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.
1AA	Stackpole, Leroy E.	1BH	Martineau, E. Joseph.
1AB	Marden, Frank O.	iBI	Castner, Harold W.
1AC	Brown, Orlando W.	iBJ •	Somerville, Paul S.
iAD	Smith, Edward S. C.	iBK	Morse, Walter J.
1AF	Kelsey, Donald L.	iBL	Stone, Clayton P.
1AG	Ray, Charles H.	1BM	Lomnitzer, Frank W.
1AH	Schultz, W. R.	1BN	Shaw, Raymond H.
1AI	Perry, Horace R.	1BO	Reed, Sherman A.
1AJ	Fabbri, Alessandro.	1BP	Mills, Bruce M.
1AK	Tabbut, Arthur R.	1BQ	Hackett, Harry S.
1AL	Anderson, Harold W.	1BŘ	Robinson, B. C.
1AN	Pratt. Rhama W.	1BS	Rolph, Henry D.
1AO	Pickles, Joseph A.	1BT	Rusack, Sidney L.
1AP	Johnson, Ernest B.	1BU	Hoyt, Lowell P.
1AQ	Claffin, Harold M.	1BV	Cusick, Howard.
1AR	Rich, Marion.	1BW	Walton, Harold F.
1AS	Rochelau, William H.	1BX	Courtney, Frank T.
1AT	Lawford, Arthur H.	1BY	Lyman, Reginald P.
1AU	Burns, James L.	1BZ	Taylor, George F.
1AV	Sherman, Calvin A.	1	• ,
1AW	Ham, Earle G.	1CA	Stimson, Robert C.
1AX	Davies, Orel E.	1CB	Hayes, Ralph S.
1AY	Hatch, James F.	1CC	Robert, Fortuna.
	•	1CD	Hitchcock, William H.
1BA	Fitts, Harold W.	1CE	Sturtevant, Foster E.
1BB	Gavett, Andrew W.	1CG	Godfray, Carlton T.
1BC	Wilson, Walter F.	1CI	Gray, Walter B.
1BD	Woodhead, Edward F.	1CJ	Hillson, Robert E.
1BE	White, Earle B.	1CK	Onens, Clarence E.
1BF	Gates, Paul H.	1CL	Webster, Fullerton D.
1BG	Stuart, Hamilton C.	1CM	McLane, Henry R.

Amateur Radio Stations—First District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
1CN	Swift, Leo M.	1EV	Almquist, Fritz A.
ico	Young, Sumner B.	1EW	Phelan, Lawrence T.
îĈP	Reynolds, Walter W.	1EX	Haley, James A.
1CQ	Reed, Coleman C.	1EY	Haffcke, Philip M.
îčŘ	Wellington, Ellsworth.	îĒŽ	Revere High School.
ics	Furlong, Joseph.		
1CT	Belmont High School.	1FA	Gould, Charles D.
îčŪ	McKay, Preston L.	1FB	Knowlton, Henry E.
icv	Meirowitz, Harry.	1FC	Baker, C. Hall.
îčx	McIntosh, Harold W.	1FD	Burdwood, Otho R.
ĨČŸ	Kelley, Lawrence E.	1FE	Robinson, Laurence B.
īcz	Bean, Harold W.	1FF	Lowell, Philip E.
		1FG	Spinney, Charles E.
1DA	Bacon, Harold L.	1FH	McIntyre, Harris B.
1DB	Peterson, Hans C. W.	1FI	Bernier, Walter J.
IDC	Sheehan, Walter J.	1FJ	Meggison, Wilbur P.
1DĎ	Robillard, Paul.	1FK	Hatch, Roland J.
1DE	Cowles, Willard B.	1FL	Clark, William T.
1DF	Simsbury High School.	1FM	Meggison, Forrest L.
1DG	Yuon, Robert C.	1FN	Knowlton, Dean W.
1DH	Schrump, Francis E.	1FO	Haley, Osmon.
1DI	Haugh, Charles J., jr.	1FP	Coombs, George T.
1DJ	Cole, George E.	1FQ	Macomber, Leroy W.
1DK	Benoit, Ralph J.	1FŘ	Merrow, Elmer R.
1DL	Steele, Maitland.	1FS	Nash, William A.
1DM	Dewey, Kenneth C.	1FT	Ackley, Edward P.
1DN	Balcom, Loris L.	1FU	Nicholson, James H.
1DO	Nelson, Nels N.	1FV	Hill, Harold F.
1DP	Himes, Norman E.	1FW	Beverage, Harold H.
1DQ	Wilbur, Arthur E.	1FX	Griffin, Stephen A.
1DR	Pranitis, George S.	1FY	Carles, Reginald C.
1DS	Ostlund, Axel F.	1F Z	Weber, John H.
1DT	Edgerly, Albert H., jr.	1	
1DU	Frost, Russell S.	1GA	Snow, Harold C.
1DV	Fisk, Leonard D.	1GB	Jaques, Louis A.
1DW	Fairchild, Charles R.	1GC	Chadwick, Gilbert L.
1DX	Sandreuter, Stuart.	1GD	Lane, Frederic A.
1DY	Redick, Kenneth T.	1GE	Cressy, Dustin G.
1DZ	Didsbury, Wallace E.	1 GF	Wolf, Charles F., jr.
		1GG	Shirt, Arthur G.
1EA	Tillinghast, George H.	1GH	Nickerson, Arthur B.
1EB	Watson, William F.	1GI	Higgins, Charles A.
1EC	Cosgrove, Fred J.	1GJ	Bradbury, Lawson E.
1ED	Hardy, Rodney C.	1GL	Howe, Bradford L.
1EE	Larsen, Reidar.	1GM	Allen, J. Wyman.
1EF	Bixby, Harold O.	1GN	Dyson, John F.
1EG	Meirowitz, David.	1GO	Morton, Sidney.
1EH	Bloom, Philip H.	1GP	Marsh, Albert A.
1EI	Strang, Paul S. and Olin T.	1GQ	Dunbar, Atherton K.
1EJ	Robinson, Philip F.	1GR	Robinson, Henry S.
1EF	Snow, Albert E.	1GS 1GT	Hardy, Wilbur H.
1EL	Rosenbloom, William. Peterson, Alexander H.	1GU	Cummings, Francis H. Baumann, Howard.
1EM			Gazill Wilbur W
1EN	Spring, Joseph H.	1GV	Gavill, Wilbur W.
1EO 1EP	Blanchard, Chester T. Crocker, Edmund P.	1GW 1GX	Wiley, James D.
1EQ	Farnum, Willis H.	1GY	French, Walter B. Robbins, Harold H.
1ER	McCurdy Rruce H	1GZ	Stansfield, Arthur C.
1ES	McCurdy, Bruce H. Deering, Frederick A.	102	banandu, Armu O.
1ET	Dodge, Joseph B.	1HA	Blanchard, Raymond C.
ieu	Merrill, Donald F.	ins	Travis, Gerald E.
	· marrier, arrimed & .	,	LIMTE, GOIAIG II.

AMATEUR RADIO STATIONS—FIRST DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
1HC	Cheetham, Henry R.	1JP	Knapp, Everett L.
iHD	Simmonds, Earle G.	ijQ	
iHE	Lynde, Kenneth R.	ijŘ	Hoffman, Frank E. Ruggles, Clifford L.
iHF	Gardner, Chester R.	ijs	Powers, Leonard S.
iliG	Corewall George R	1JT	Farmer, Edward E.
iHH	Cogswell, George R. Bushee, Ward H.	រើ្វប៉	Cooke, Grover C.
iHI	Burke, Alan W.	ijν	Chisholm, Chesleigh C.
iHK	Sayward, Lyman W.	ijw	Tuttle, William O.
iHL	Sargent, Frederick G.	ijΧ	Rinaldi, Henry L.
iHM	Hammett, Herbert M.	îjŸ	Herland, John N.
1HN	Anderson, Daniel H.	îjz	Lanouette, Kenneth H.
iHo	Bergmann, Malcom P.		
1HP	Cromack, N. G. N.	1KA	Jepson, Warren F.
1HR	Elliott, Thomas H., jr.	1KB	Edwards, Ralph E.
1HU	Karl, Henry J.	1KC	Wallace, Ralph H.
1HV	Ryan, James A.	1KD	David, Harold E.
1HW	Munroe, Henry W. T.	1KE	Priest, Holden C.
1 HY	Bennett, Lawrence S.	1KF	Pennypacker, Thomas R.
1HZ	Duncan, Harrie E.	1KG	Allen, Franklin.
		1KH	Lally, Charles A.
1IA	Richmond, Harold B.	1KI	Loring, Wilfred B.
1IB	Stanyan, Starr W.	1KJ	Anderson, Arvid E.
1IC	Keller, Adrian C.	1KK	Pettey, Raymond A.
1ID	Kehoe, Francis.	1KM	Meekin, William J.
1IE	Paton, Raymond.	1KN	Froberger, Laurence G.
1IF	Leighton, Harold M.	1KO	Bowen, Harold C.
1IG	Patten, Ernest L. O.	1KP	Fuller, Perry D.
1IH	Fuller, Clarence C.	1KQ	Armstrong, James B.
1II	Jennings, W. Francis, jr.	1KR	Tarr, A. Myron.
1IJ	Fassitt, Andrew J., jr.	1KS	Boy Scouts of America, Troop I,
1IK 1IL	Dallin, Edwin B.	1KT	Reading, Mass.
1IM	Pierce, Robert. Macondald, Erving L.	iKU	Knight, Oscar F. Bowen, Earl H.
iin	Lamson, Horatio W.	1KV	Veeder, Chester F.
iio	Mosher, Clifton E.	1KW	Beering, Herbert A.
iip	Ware, Stanley P.	ikx	Batcheller, Arthur.
iir	Butterfield, George W.	iKY	Canfield, Donald T.
iis	Leach, George F.	îKZ	Nichols, John S.
îIT	Canning, Richard H.		,
1IU	Shattuck, George E.	1LA	Remington, Kenneth F.
1IV	Walker, Édward C., 3d.	1LB	Blume, Carl T.
1IW	Beckvold, Melvin P.	1LC	Bowen, Arthur N.
1IX	Ohlson, Olof.	1LD	Isherwood, William L.
1IY	Baxter, Horace M.	1LE	Corney, Chester A.
1IZ	St. James, Robert T.	1LF	Barrett, Bradford L.
		1LG	Ballon, Willis H.
1JA	Nock, Herbert T.	1LH	Dickson, William E.
1JB	Hovenden, Herbert C.	1LI	Dwight, Harrison W.
ıjc	Parker, John A.	1LK	Haskins, Frederic C.
1JD	Collins, W. Lovejoy.	1LL	Justice, Francis C.
ije	Bushway, George F.	1LM	Scott, Kenneth G.
1JF	Snow, Albert E.	1LN	Sterling, Roy.
1JG	Pratt, Fearing.	1LO	Donovan, Arthur B.
IJH	Sleeper, Dorman D.	1LP	Knight, Hugh C.
lJI	Watson, Paul W.	1LQ 1LR	Bennett, William F., jr.
1JJ 1JK	Tufts Wireless Society. Batchelder, Hugh M.	1LK 1LS	Brigham, Everett R.
IJL	Gahm, Sebastian, jr.	1LT	Runey, Leon C. Scott, Ralph A.
iJM	Walter, Elmer H.	iLu	Staples, Loyed E.
ijn	Towne, Harold M.	iLv	Tuits, J. Warren.
ijö	Campbell, James S.	līĽw	Jackson, Edward W.

Amateur Radio Stations—First District—Alphabetically by Call Signals—Continued.

ILX Moulton, Albert B. ILZ Murphy, Dudley B. ILZ Mescher, George E. ILDM Readio, George W. ILM Copland, H. Depew. ILDO Strathers, Francis W. Copland, H. Depew. ION Stotkhouse, Walter T. IOV Whitter, Elerton W. Von Colland, Henpy Selection W. ING Levet, Leroy R. ING Medical, Eleron ING Goodin, Indeed, piring B. ING Modical, Care P. ING Med	Call signal.	Owner of station.	Call signal.	Owner of station.
ILZ Murphy, Dudley B. IMA Irwin, Samuel D. IMB Boudette, Clayton M. IMC Baylies, Milton A. IMC Boodwin, A. IMC Boodwin, A. IMC Britin, Barte J., jr. IMG Goodwin, A. IMC Britin, Barte J., jr. IMJ Judkins, Nathaniel B. IMK Johnson, Thurston A. IML Lyon, William H. IMM Wood, Manson E. IMN Pennell, Leon IMN Pennell, Leon IMN Pennell, Leon IMN Pennell, Leon IMN Pennell, Leon IMN Pennell, Leon IMN Pennell, Kendall B. IMN Rowell, Kendall B. IMN Warren, Bertram E. IMV Caldwell, George W. IMW Batchelder, Earl C. IMY Eales, Malcolm A. L. IMZ White, Dallas E. INA Adonegui, Lane. INA Adonegui, Lane. INB Blanchard, Ralph N. INE Coleman, Bend, B. B. INF Sutcliffe, Raymond S. INF Greeley, Francis B. INK Coogan, Thomas P. INL Curtis, Samuel INN Bailey, Stanley M. IND Greeley, Francis B. INK Coogan, Thomas P. INC Campbell, Harold G. INN Mohermott, Joseph H. INN Garfield, Harold G. INN Mohermott, Joseph H. INN Garfield, Harold G. INN Mohermott, Joseph H. INN Garfield, Harold G. INN Mohermott, Joseph H. INN Garfield, Harold G. INN Mohermott, Joseph H. INN Garfield, Harold G. INN Mohermott, Joseph H. INN Garfield, Harold G. INN Mohermott, Joseph H. INN Garfield, Harold G. INN Mohermott, Joseph H. INN Garfield, Harold G. INN Mohermott, Joseph H. INN Garfield, Harold G. INN Hamilton, A. INN Garfield, A.; Cooked, William R. INN Hyllies, Marter A. INN Bales, Malcolm A. INN	1LX	McMahon, William G.	10Н	Flanders, Fred F.
IMA IMB Boudette, Clayton M. IMC Baylies, Milton A. IMD Ziegler, Alfred A., jr. IMG Goodwin, A. R. IMG Goodwin, A. R. IMJ Judkins, Nathaniel B. IMK Johnson, Thurston A. IMD Lyon, William H. IMM Wood, Manson E. IMN Pennell, Leon IMO Ostrander, Freeman K., jr. IMP Purssell, Clarence V. IMP Judwett, Leroy R. IMR Roddin, Thomas. IMS Rowell, Kendall B. IMV Caldwell, George W. IMW Linn, Harold W. IMW Linn, Harold W. IMX Batchelder, Earl C. IMY Eales, Malcolm A. L. IMZ White, Dallas E. INA Andonegui, Lane. INB Blanchard, Ralph N. INC Ekwall, George O. IND Bellis, Clifford B. INE Coleman, Benj. B. B. INF Sutcliffe, Raymond S. ING Marshall, T. Stanley. ING Greeley, Francis B. INK Coogan, Thomas P. INL Curtis, Samuel INN Ingalls, George A. INN Ingalls, George A. INN Ingalls, George A. INN Greeley, Francis B. INN Ingalls, George A. INN Getchell, Melvin D. Gertield, Harold G. INY Garfield, Harold G. INY Campbell, Harold G. INY Garfield, Harold G. INY Garfield, Harold G. INY Campbell, Harold G. INY Campbell, Harold G. INY Campbell, Harold G. INY Campbell, Harold G. INY Campbell, Harold G. INY Lovis, Donald B. INY Lovis, Don				
INMA ITWIN, Samuel D. IMB Boudette, Clayton M. IMD Ziegler, Alfred A., jr. IME Angell, Otis P. IMG Goodwin, A. R. IMH Griffin, Barte J., jr. IMI IMI Judkins, Nathaniel B. IMK Johnson, Thurston A. IML Lyon, William H. IMM Wood, Manson E. IMP Pennell, Leon IMO Ostrander, Freeman K., jr. IMP Purssell, Clarence V. IMQ Jewett, Leroy R. IMW IMW IMM Roddin, Thomas. IMS Rowell, Kendall B. IMV Caldwell, George W. IMV Linn, Harold W. IMX Batchelder, Earl C. IMY Eales, Malcolm A. L. IMZ White, Dallas E. INS ING Bellis, Clifford B. INE Coleman, Benj. B. B. INE Coleman, Benj. B. B. INF Stucliffer, Raymond S. ING Bailey, Stanley M. INJ Greeley, Francis B. INS ING Gerish, Kenneth B. INN Ingalls, George A. INN Ingalls, George A. INN INN Ingalls, George A. INN INN Ingalls, George A. INN INN Ingalls, George A. INN INN Ingalls, George A. INN INN Ingalls, George A. INN INN Ingalls, George A. INN INN INN Ingalls, George A. INN Ingalls, George A. INN Ingalls, George A. INN Ingalls, George A. INN Ingalls, George A. INN Ingalls, George A. INN Ingalls, George A. INN Ingalls, George	1LZ			
India Irwin, Samuel D. India Boudette, Clayton M. India Boudette, Clayton M. India Ind		1 0,		
MB Boudette, Clayton M. MC Baylies, Milton A. MC Copland, H. Depew.	1MA	Irwin, Samuel D.		Readio, George U.
IMD Baylies, Milton A. IND Ingelle, Clifford A. jr. IND Goodwin, A. R. IOQ Goodwin, A. R. IOV IOS Copland, H. Depew. IOS IOV Starkhore, Francis W. Copland, H. Depew. IOV Starkhore, Francis W. IOV Starkhore, Francis W. IOV Starkhore, Francis W. IOV	1MB		100	Smith, Kirk E.
IMEAngell, Otis P.108Gopdwin, A. R.107Heap, Sheldon S.1MHGoriffin, Barte J., jr.10V10VSouthwick, Arthur M.1MJJudkins, Nathaniel B.10XStackhouse, Walter T.1MLLyon, William H.10ZZwinge, Conrad J.1MMWood, Manson E.1PDDoe, Charles S.1MNPennell, Leon1PDWhitelie S.1MOOstrander, Freeman K., jr.1PDWhiter, Ellerton W.1MQJewett, Leroy R.1PHWhiter, Ellerton W.1MRRoddin, Thomas.1PJWenner, Gustave A. F.1MRRoddin, Thomas.1PJWriter, Ellerton W.1MVCaldwell, George W.1PHHerrie, Ellerton W.1MVCaldwell, George W.1PMHerrie, Ellerton W.1MXBachelder, Earl C.1PJHerrie, Gustave A. F.1MYEales, Malcolm A. L.1PSWelsh, Michael J.1MXBachelder, Earl C.1PPWelsh, Michael J.1MXAndonegui, Lane.1PSWelsh, Michael J.1NAAndonegui, Lane.1PYWlitim, Harry J.1NBBlanchard, Ralph N.1PYWilliam J., jr.1NBBlaicy, Stanley M.1PYMurphy, Harry J.1NBBalley, Stanley M.1PYNyquist, Norman A.1NIBailey, Stanley M.1QCNyquist, Norman A.1NIGreiely, Francis B.1QEWelsh, Michael J., jr.1NKCoogan, Thomas P.1QEMelvin, Arthur J. <td></td> <td>Baylies, Milton A.</td> <td> 10P</td> <td>Tillson, Francis M.</td>		Baylies, Milton A.	10P	Tillson, Francis M.
MG Goodwin A R. Griffin, Barte J., jr.		Ziegler, Alfred A., jr.	10Q	Struthers, Francis W.
MH Griffin, Barte J., jr.				Copland, H. Depew.
IMIBirdeall, Elmer S.10WStackhouse, Walter T.1MJJudkins, Nathaniel B.10Y1MKJohnson, Thurston A.10Y1MMWood, Manson E.10Z1MNPennell, Leon10Z1MOOstrander, Freeman K., jr.1PD1MQJewett, Leroy R.1PD1MRRoddin, Thomas.1PI1MSRowell, Kendall B.1PI1MVGaldwell, George W.1PJ1MVLinn, Harold W.1PM1MYBatchelder, Earl C.1PO1MYEales, Malcolm A. L.1PS1NBBlanchard, Ralph N.1PV1NBBlanchard, Ralph N.1PV1NCEkwall, George O.1PY1NDBellis, Clifford B.1PY1NEColeman, Benj. B.1PY1NFSutcliffe, Raymond S.1PY1NHHilliard, Dana S.1QC1NKCoogan, Thomas P.1QE1NKCoogan, Thomas P.1QE1NDGreeley, Francis B.1QE1NDGreeley, Francis B.1QE1NDGreeley, Francis B.1QE1NDGetchell, Melvin D.1QE1NRGerrish, Kenneth B.1QE1NPLynch, John P.1QE1NDCampbell, Harold G.1QC1NYLovis, Donald B.1QC1NYLovis, Donald B.1QV1NYLovis, Donald B.1QV1NYLovis, Donald B.1QV1NYLovis, Donal				
IMJ IMK IMK IMM IMM IMM IMM IMM IMM IMM Pennell, Leon Ostrander, Freeman K., jr. IMP <b< td=""><td></td><td></td><td>H</td><td></td></b<>			H	
IMKJohnson, Thurston A.10YZwinge, Conrad J.1MLLyon, William H.10Z1MMWood, Manson E.1PC1MOOstrander, Freeman K., jr.1PD1MPPurssell, Leon C.1PC1MQJewett, Leroy R.1PH1MRRoddin, Thomas.1PI1MSRowell, Kendall B.1PI1MVWarren, Bertram E.1PI1MVCaldwell, George W.1PM1MVLinn, Harold W.1PO1MXBatchelder, Earl C.1PF1MYEales, Malcolm A. L.1PS1MYEales, Malcolm A. L.1PP1NBBlanchard, Ralph N.1PV1NCEkwall, George O.1PV1NDBellis, Clifford B.1PY1NDBellis, Clifford B.1PY1NGMarshall, T. Stanley.1QA1NIBailey, Stanley M.1QA1NIBailey, Stanley M.1QA1NIGreeley, Francis B.1QC1NMCorgan, Thomas P.1QE1NDGreeley, Francis B.1QC1NDGreeley, Francis B.1QC1NDGerish, Kenneth B.1QH1NDGerish, Kenneth B.1QH1NDGerish, Kenneth B.1QH1NDCampbell, Harold G.1QR1NYLovis, Donald B.1QP1NYLovis, Donald B.1QP1NYLovis, Donald B.1QV1NYLovis, Donald B.1QV1OBDageett, R				
IML IMM IMM IMM Ponnell, Leon Ostrander, Freeman K., jr. IMP Purssell, Clarence V. IMP Jewett, Leroy R. IMR IMR Roddin, Thomas. IMR Rowell, Kendall B. IMW Linn, Harold W. IMZ IMX <td></td> <td>Judkins, Nathaniel B.</td> <td></td> <td></td>		Judkins, Nathaniel B.		
MM Wood, Manson E.				
MN			10Z	Doe, Charles 5.
IMO IMP IMP IMP 			1PC	Drake Ervin T ir
IMP IMQ IMQ IMR IMR IMR IMR Roddin, Thomas. IMS Rowell, Kendall B. IMV				
1MQ 1MR <br< td=""><td></td><td></td><td></td><td></td></br<>				
IMRRoddin, Thomas.1PIKnight, Maurice E.1MSRowell, Kendall B.1PJLoheed, William J., jr.1MVWarren, Bertram E.1PKLoheed, William J., jr.1MVCaldwell, George W.1PMHartwell, E. G.1MWLinn, Harold W.1POReed, Leelie S.1MXBatchelder, Earl C.1PPWelsh, Michael J.1MZWhite, Dallas E.1PPWelsh, Michael J.1MZWhite, Dallas E.1PYZahn, Edward G.1NAAndonegui, Lane.1PVFolsom, Rolfe A.1NBBlanchard, Ralph N.1PYMurphy, Harry J.1NCEkwall, George O.1PYPulley, Lester A.1NDBellis, Clifford B.1PZRanlett, Frederick J., jr.1NEColeman, Benj. B. B.1PZRanlett, Frederick J., jr.1NFSutcliffe, Raymond S.1QANyquist, Norman A.1NGMarshall, T. Stanley.1QBSaunders, George B.1NHHilliard, Dana S.1QCWadsworth, Arthur G.1NJGreeley, Francis B.1QCWadsworth, Arthur J.1NJGreeley, Francis B.1QEChace, Myron D.1NKCoogan, Thomas P.1QFNash, Paul.1NNIngalls, George A.1QHMelvin, Arthur W.1NOStarkweather, John B.1QHMelvin, Arthur W.1NOStarkweather, John P.1QRMelvin, Arthur W.1NDGertish, Kenneth B.1QOMcGrath, Joseph L.1NYLoyis, Do				
1MSRowell, Kendall B.1PJPratt, Walter L.1MVCaldwell, George W.1PMLoheed, William J., jr.1MWLinn, Harold W.1POHartwell, E. G.1MXBatchelder, Earl C.1PPReed, Leslie S.1MZWhite, Dallas E.1PTWelsh, Michael J.1MZWhite, Dallas E.1PTClayton, Henry C.1NAAndonegui, Lane.1PVFolsom, Rolfe A.1NBBlanchard, Ralph N.1PXMurphy, Harry J.1NCEkwall, George O.1PYPulley, Lester A.1NBBellis, Clifford B.1PZRanlett, Frederick J., jr.1NEColeman, Benj. B. B.1PZRanlett, Frederick J., jr.1NFSutcliffe, Raymond S.1QANyquist, Norman A.1NGMarshall, T. Stanley.1QBSaunders, George B.1NHHilliard, Dana S.1QCHanlity, Norman A.1NIBailey, Stanley M.1QDTherrien, Arthur G.1NIGreeley, Francis B.1QEChace, Myron D.1NKCoogan, Thomas P.1QFNash, Paul.1NLCuris, Samuel1QFMemster, Earle C.1NMStarkweather, John B.1QHMelvin, Arthur W.1NOSharpe, Floyd H.1QKSt. James, Vincent.1NQGetchell, Melvin D.1QNBowditch, Frederic C., jr.1NRGerrish, Kenneth B.1QPHolt, Clarence G.1NYLovis, Donald B.1QPHolt, Clarence G.1NYLovis, Donald B.<				
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1NZ Leutz, Charles R. 1QX White, Thomas C. Spaulding, Ralph H. 1QZ Danehy, Edward J. 1QX Danehy, Edward J. 1QX Danehy, Edward J. 1QZ Danehy, Edward J. 1QZ Danehy, Edward J. 1QZ Danehy, Edward J. 1QZ Danehy, Edward J. 1RA Howard, George E. 1RB Murphy, Denis L. 1QE Hamiltin, Charles F. 1RC Papkee, Edward D.	1NX		1QU	Stolba, Nestor W.
1NZ Leutz, Charles R. 1QX White, Thomas C. Spaulding, Ralph H. 1QZ Danehy, Edward J. 1QX Danehy, Edward J. 1QX Danehy, Edward J. 1QZ Danehy, Edward J. 1QZ Danehy, Edward J. 1QZ Danehy, Edward J. 1QZ Danehy, Edward J. 1RA Howard, George E. 1RB Murphy, Denis L. 1QE Hamiltin, Charles F. 1RC Papkee, Edward D.		Lovis, Donald B.	1QV	
10A Kenison, Arthur C. 10B Daggett, Royal S. 10C Gisburne, Edward A. 10D Taylor, Walter A. 10E Hamiltin, Charles F. 11D Taylor, Walter A. 11D Taylor, Walt	1NZ		1QW	White, Thomas C.
IOA Kenison, Arthur C. 1QZ Danehy, Edward J. 1OB Daggett, Royal S. 1RA Howard, George E. 1OD Taylor, Walter A. 1RB Murphy, Denis L. 1OE Hamiltin, Charles F. 1RC Papkee, Edward D.	10.4		1QX	Spaulding, Ralph H.
1OCGisburne, Edward A.1RAHoward, George E.1ODTaylor, Walter A.1RBMurphy, Denis L.1OEHamiltin, Charles F.1RCPapkee, Edward D.			1QZ	Danehy, Edward J.
1OD Taylor, Walter A. 1RB Murphy, Denis L. 1QE Hamiltin, Charles F. 1RC Papkee, Edward D.			170.4	Hamad Carra E
10E Hamiltin, Charles F. 1RO Papkee, Edward D.				Howard, George E.
				Pankaa Edward D
TOTAL TRANSPORTE CONTRACTOR OF THE STATE OF	10E 10F	Eldredge, Clarence R.	iRD	Ericson, Arthur E.

AMATEUR RADIO STATIONS—FIRST DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
1RE	MacLeod, Charles M.	1TO	Newton, Raymond C.
îRF	Pennypacker, Thomas R.	ÎTP	Jensen, Leonard C.
iRG	Buffinton, William H.	îŤQ	Stark, William H.
iRH	Thompson Ismes H	itř	
iRI	Thompson, James H.	iTS	Briggs, Darrah.
iRJ	Gawler, H. C.		Clarkson, Charles N.
iRK	Drew, William E.	1TT	Soney, Henry C.
iRL	Johnson, Elmer C. Wright, Wendell L.	1TU 1TV	Stackpole, Nelson B.
	Wright, Wenden L.	1/0007	Hale, Edward E.
IRM	Clements, William B.	1TW	Sweet, George A., jr.
IRN	Ege, John.	1TY	Champlin, Albert R.
IRO	Fernald, Wilder A.	1TZ	Lisker, William.
IRP	Kandali, Eugene F.		
IRQ	Sistare, Donald B.	1UA	Hargraves, Harold T.
1RR	Rusk, Ían M.	1UB	Pease, Reginald M.
IRT	Snow, Raymond A.	1UD	Gates, Harold S.
IRU	Norcross, Warren.	1UE	Jette, George E.
1RV	West, Howard E.	1UG	Bigelow, Fred C.
1RW	Steeves, Arthur.	1UH	Lear, George F.
1RX	Shorey, G. Faxon.	lUI	Thornley, Howard W.
lRY	Newcomb, Roland D.	1UK	Tutin, Kenneth A.
ırz	Gallagher, Edward J.	IUL	Allen, Edwin B.
	3 ,	1UM	Flint, Carl O.
ISA	Sias, Cyril W.	1UN	Pekham, J. Wallace.
ISB	Brock, William C.	1U0	Doyle, John B.
ISC	Lipson, Edward.	1UP	Classical High School.
IŠĎ	Oliver, Herbert W.	ĨŬQ	Barth, Karl E.
IŠE	Phillips, Henry D.	ĨŬŤ	Gavitt. Lester E.
IŠF	Garrett, John D.	ĨŬŪ	Clark, Robert S.
išĠ	Rice, Ralph W.	îŭv	Gavitt, Lester E. Clark, Robert S. Perry, Foster N. Ellis, John W.
IŠH	Parmelee, Albert O.	îŭw	Ellis John W
iši	Alger, James W.	Ιŭχ	Hull, Elliott B.
išj		iŭz	
isk	Coit, Jeffery V.	102	Learned, Alpha A.
	Geer, Laurence P.	1VA	Handrickson Vornor A
ISL ISM	Bearse, Edwin W.	ivB	Hendrickson, Verner A.
	Wadland, Victor N.	IVE	Verbyla, Albert E.
LSN	Colton, Robert H.		Walker, Alva S.
	Cash, Wilson H.	1VH	Lawson, Allan.
ISP	Bayliss, Joseph.	1VI	Slawson, Spencer W.
	Hayes, Clifford R.	1VL	Belknap, Edward L.
	Robinson, Alfred L.	1VM	Angelo, Anthony A.
	Gawler, Leonard M.	1VN	Miner, Robert S.
LST	Decker, J. Raymond. O'Brien, David W.	1VO	Haskell, Shirley D. Horsfall, George W.
ISU	O'Brien, David W.	1 <u>VQ</u>	Horsfall, George W.
lsv	Burton, H. R.	1VR	Stagg, Uberto K.
lsw	Hersey, Ralph H. Moore, George M.	1 <u>VS</u>	Viets, Grohman.
lSX	Moore, George M.	1VT	Smith, Lewis J.
\mathbf{LSZ}	Hayward, Edward E., jr.	1VU	Morse, Harold J.
	-	1VV	Gillespie, Eugene.
lTA]	Anderson, Caleb J. Mulvihill, Francis A.	1VW	Delage, George C.
TB	Mulvihill, Francis A.	īvx	Schmidt, Paul O.
TC	Ward, J. Śtedman.	1VY	Pember, Harold N.
ĪTĎ	Tilley, Henry H.	IVZ	Butler, James T.
TE	Sparrow, Edward C.]]	,
TF	Allenson, George T.	1WA	Bueb, John J., jr.
TG	Manchester, Arthur W.	iwc	Coleman, William F.
ТĦ	Manuel Lloyd	iwď	Holbrook, Richard F.
İΤΪ	Manuel, Lloyd. Horgan, T. Francis.	iwe	Baldwin, James P.
ΪŢ	Johnson, Alexander R.	iwg	Clark, Bradford J.
	Flint, Carl O.	iwn	Sam, Chin King.
lTL			

2457°—15——6

Amateur Radio Stations—First District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
1WK 1WL 1WM 1WN 1WO 1WP 1WQ 1WR	Palmer, Rae C. Chase, Harry. Hunn, Edward B. Neuhaus, Theodore F. Simkin, Colin. Stallworth, Henry H. Conner, John A. Sawtelle, Donald F.	1WS 1WT 1WU 1WV 1WW 1WX 1WY 1WZ	Hitchcock, Howard A. Salzgeber, John W. Loomis, Harold C. Blanke, Donald C. Maurer, Frank T. Powell (Miss), Cecil. Hoggson, Wallace. Bradin, Jack H.

SECOND DISTRICT.

[Headquarters: Customhouse, New York, N. Y. The second district comprises the States of New York (county of New York, Staten Island, Long Island, and counties on the Hudson River to and including Schenectady, Albany, and Rensselser) and New Jersey (counties of Bergen, Passaic, Essex, Union, Middlesex, Monmouth, Hudson, and Ocean).]

ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power
0.4 EU	Mile B	and Service American Land	Watts.
2AEF	Abrams, Milton F., jr	386 Scranton Ave., Lynbrook, N. Y	300
2AA	Adams, Everett L	22 Stockton St., Bloomfield, N. J	250
2TQ	Adams, E. William, jr	392 Franklin St., Bloomfield, N. J	12
2LX	Adelphi College	St. James and Clifton Pl., Brooklyn, N.Y.	500
2AAY	Adickes, Ernest D	173 W. Ridgewood Ave., Ridgewood, N. J.	770
2VQ	Agnoli, Justus J	16 Purvis St., Long Island City, N. Y	13
2VG	Ahrens, Harry E	794 Gravesend Ave., Brooklyn, N. Y	250
2LA	Alfaro, Richard F	730 Riverside Drive, New York, N. Y	880
2US	Allstrom, F. Condit	46 Chestnut St., East Orange, N. J	360
2WI	Anderson, Robert N	353 Warburton Ave., Yonkers, N. Y	30
2MM	Apgar, Charles E	549 Carleton Rd., Westfield, N. J	450
2UR	Arany, Leo	123 W. 112th St., New York, N. Y	500
2IP	Ashmall, William E., jr	11 Pavonia Ave., Arlington, N. J.	250
2MR	Atwater, Frank G., jr	1562 E. 15th St., Brooklyn, N. Y	100
2NY	Austrian, Ralph B	49 St. Nicholas Ter., New York, N. Y	450
2RW	Baily, Hobart W	Harrison, N. Y	165
2LO	Baker, William N	881 Montgomery St., Jersey City, N. J	20
2GM	Ballard, J. Adams	73 Macon St., Brooklyn, N. Y	24
2BD	Banta, Theodore C	76 Walnut St., Ridgewood, N. J	16
2PC	Barriette, Samuel L	311 Macon St., Brooklyn, N. Y	30
2GB	Bartlett, Bernard W	507 Westfield Ave., Westfield, N. J	500
2LF	Bartlett, Charles H	774 Jefferson Ave., Brooklyn, N. Y	12
2VP	Bartsch, Henry W	130 Cedar St., Kingston, N. Y	15
2CJ	Bathgate, Walter E	102 High St., Passaic, N. J	60
PADV	Bazensky, Joseph I	307 Berriman St., New York, N. Y	30
PAFZ	Beaton, John D., jr	1183 Clay Ave., New York, N. Y	50
EEJ	Bechtlofft, Claude B	106 Walnut St., Ridgewood, N.J	500
BN	Beebe, L. S	1143 Albany St., Schenectady, N. Y	800
PACX	Beeken, William S	Fanwood, N. J	500
2MV	Bell, Arthur E	92 Elizabeth St., West New Brighton, N. Y.	32
WN	Beller, William A. G	588 Essex St., Brooklyn, N. Y	90
AGA	Belsky, Walter	1134 Findlay Ave., New York, N. Y	20
LQ	Belt, Charles B	145 W. 57th St., New York, N. Y	100
ELL	Benedict, Alonzo R	Newburgh, N. Y.	48
HB	Bennett, Russell W	Fair Haven N J	9
TE	Bentzig, Victor H	Fair Haven, N. J. 165 Woodmere Pl., Richmond Hill, N. Y.	20
PN	Berger, H. C. V. B.	33 Pennington Ave., Passaic, N. J.	550
	Berlin, Benjamin	1252 Flatbush Ave., Brooklyn, N. Y.	220

AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
2QS	Bernard, James L	2523 Ditmas Ave., Brooklyn, N. Y	24
2NT	Bernstein, Arthur W	220 1st Ave., Mt. Vernon, N. Y	54
2MS	Berri, Herbert	497 E. 17th St., Brooklyn, N. Y	500
2LB	Bertine, Edwin K	57 S. 2d Ave., Mt. Vernon, N. Y	220
2MN	Betts, Philander H	238 Valley Rd., Montclair, N. J	20
2JZ	Bicak, Edward T	357 E. 72d St., New York, N. Y	9
2MU	Bigelman, Herbert C	139 Springfield Ave., Rutherford, N. J	
2ABD	Bilms, Charles A	86 Clark Ave., Ocean Grove, N. J	30
2WW	Blackburn, Walter G	42 Point St., Yonkers, N. Y	24
2QB	Blackford, Harold W	220 Park Ave., Plainfield, N. J	440
$\overline{2}\overline{C}\overline{R}$	Blauvelt, William M	198 Main St., Nyack, N. Y	340
2SP	Bleilevens, Gerhardt	318 33d St., Woodcliff-on-Hudson, N. J	550
2GI	Bockelmann, Charles F.	1679 42d St., Brooklyn, N. Y	10
2AFA	Bodkin, Laurence G	290 Clinton Ave., Brooklyn, N. Y	15
2JD	Boeder, Arthur R	3430 Duncomb Ave., New York, N. Y	1,000
2PY	Bogardus, Henry L	427 Bergen Ave., Jersey City, N. J.	500
2TP	Bohn, William	1515 2d Ave., New York, N. Y	240
	Bond, Arthur M	274 2d Avo Nowork N I	
2VL 2AEK		274 2d Ave., Newark, N. J.	35
	Brainard, Edward S	400 W. Franklin Ave., Ridgewood, N. J.	1,000
2LW	Breen, Thomas J	353 E. 193d St., New York, N. Y.	30
2AJ	Brenner, Alexander	995 Westchester Ave., New York, N. Y	155
2AAS	Brick, Frank K., jr	50 Avenue B., Bayonne, N. J	500
2AFC	Broggini, Claud	2605 8th Ave., New York, N. Y	15
2CL	Brooklyn Telegraph School.	313 Fulton St., Brooklyn, N. Y	72
2FU	Brooks, L. Van V	510 W. 113th St., New York, N. Y	30
2FF	Brower, Harold S	19 S. Clinton St., Poughkeepsie, N. Y	50
2JH	Brown, David S., jr	206 W. 86th St., New York, N. Y	500
2VM	Brown, Philip T	1808 Grand Concourse, New York, N. Y.	990
2KD	Browne, Walram S	1565 E. 12th St. Brooklyn, N. Y.	1,000
2JR	Bruce, Edmond	1565 E. 12th St., Brooklyn, N. Y 2049 63d St., Brooklyn, N. Y	250
ŽVD	Bruell, Joseph P	69 S. Lexington Ave., White Plains,	880
2AU	Bryan, Chester W	N. Y. 79 Elm St., Montclair, N. J.	32
2AF	Bryant, Marquis V	6 S. Highland Ave., Nyack, N. Y	500
2MH	Buchanan, William F	128 Market St., Perth Amboy, N. J	24
2ACN	Bucheister, Morris	5 W. 117th St., New York, N. Y	100
2NN	Buck, David E	42 Grant Ave., Kearney, N. J	30
2NL	Bucknam, John R	4 Hemlock Pl., New Rochelle, N. Y	
2CT	Bunn, Milo B	110 Rockland Ave., Yonkers, N. Y	250
2HK	Burrows, Henry P	1415 55th St., Brooklyn, N. Y.	24
2ACQ	Cadmus, Le Roy G	96 Forest Ave., Glen Ridge, N. J	30
2WK	Caggiano, Carmine J	245 Pacific St., Brooklyn, N. Y.	12
2RL		Brightwaters, N. Y.	1,000
	Camp, Victor F	117 Marshall St., Elizabeth, N. J.	180
2ES	Campbell, Robert, jr	102 Droke Area New Pechelle N V	1,000
2SX	Cannon, George C	183 Drake Ave., New Rochelle, N. Y	
2QK	Caskey, Kenneth B	415 Ft. Washington Ave., New York, N. Y.	275
ZADB	Cawman, David L	1531 Sewell Ave., Asbury Park, N. J	15
2VN	Charles, Chester A	629 Springdale Ave., East Orange, N. J.	40
2FE	Cheel, Harold W	35 Corsa Ter., Ridgewood, N. J.	495
2DS	Clark, Le Roy	Chestnut St., Englewood, N. J.	880
2AAK	Cockaday, Laurence M	227 Audubon Ave., New York, N. Y	350
2MY	Cohen, Edwin K	601 W. 149th St., New York, N. Y	275
2PS	Cohen, Samuel	1936 Pitkin Ave., Brooklyn, N. Y	32
2OS	Cohen, Walter	2071 5th Ave., New York, N. Y	440
2ACB	Collinge, James N	406 Central Park West, New York, N. Y.	36
2TZ	Collins, Frank J	22 Cedar St., Yonkers, N. Y	40
2RT	Collinson, Jesse G	70 Cherry St., West Orange, N. J.	60
		200 2	700
2KN	Collison, Percy B	172 Maple St., Brooklyn, N. Y	500

Amateur Radio Stations—Second District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station	Location of station.	Power.
OA DW	O William G	F00 F01 G1 T0 11 TV T7	Watts.
2ADY	Cooper, William S	566 53d St., Brooklyn, N. Y	24
2HF	Coote, Charles W	240 Audubon Ave., New York, N. Y	250
2AQ	Corson, David N	51 Berkeley Ave., Newark, N. J.	300
2IG 2LD	Corwin, George E	46 Hanford St., Middletown, N. Y	10
2VK	Cotter, William F Covert, James D	68 Oakland Ave., Jersey City, N. J.	220
2IT		40 Glenwood Rd., Upper Montclair, N. J.	300
2RI	Cowles, Charles W Cowper, Norman C	140 Innis Ave., Poughkeepsie, N. Y Lynbrook, N. Y	$\begin{vmatrix} 30 \\ 275 \end{vmatrix}$
2AER	Crinnion, Edward T. J	63 Mt. Hope Pl., New York, N. Y	216
2DP	Crocker, Frank H	11 Broadway Rockville Center N V	20
2GJ	Cronemeyer, Edmund G.	11 Broadway, Rockville Center, N. Y 1201 Vyse Ave., New York, N. Y	30
2EM	Crosby, Roy C	211 W. 148th St., New York, N. Y	30
2ADM	Crosby, Warner N	Saddle River, N. J.	32
2ABF	Crozier, Edward A	Fair Haven, N. J	36
2KJ	Cummings, Frank X	2132 Washington Ave., New York, N. Y.	24
2ADT	Cushman, Charles D., jr.	137 Davis Ave., New Brighton, N. Y	15
2DI	Cyriax, Ernest A	219 E. 71st St., New York, N. Y	25
2GG	Dahlgren, Birger A	1652 41st St., Brooklyn, N. Y	18
2BJ	Dahms, Herbert	21 Manitou Ave., Poughkeepsie, N. Y	30
2CE	Dain, John W	313 James St., Peekskill, N. Y	880
2AD_	Dammers, Albert	145 Newell Ave., Rutherford, N. J	1,000
2AAI	Dartiguenave, Henry P.	659 W. 179th St., New York, N. Y	
2ADP	Davis, Clarence F	809 Park Pl., Brooklyn, N. Y	12
2CX	Davison, Walter H., jr	22 N. Park Ave., Rockville Center, N. Y	18
2NA	Dawley, Earle R	86 Henry St., Passaic, N. J.	30
2KK	Day, Howard B	555 Mountain Ave., Westfield, N. J	758
20D	Debuchy, Edmund A	591-A Summit Ave., West Hoboken, N.J.	15
2ACJ	de Calahorra, Amadeo S.	146 W. 65th St., New York, N. Y	100
2FC	Decker, Harold A	323 Church St., Poughkeepsie, N. Y 21 Valley Rd., White Plains, N. Y	1 12
2AFN 2VS	Decker, Ralph W. E	7 Odell Ave., White Plains, N. Y.	1,000 $1,000$
2JX	Decker, Ralph W. E De Cortin, Gustav A	16 Elm St., Mt. Vernon, N. Y	30
2HH	Dederick, H. C	46 N. 5th St., Hudson, N. Y	72
2TL	de Forest, Edward L., jr.	Garden City, N. Y	30
2HQ	Dehler, Adolph	144 E. 84th St., New York, N. Y	30
2AAB	Deitz, Burr V	Slingerlands, N. Y	80
2JT	Dennis, Frederick F	Fair Haven, N. J	36
2AS	De Yoe, Willard L	689 Broadway St., Paterson, N.J	250
2TC	Dickenson, Henry E	91 Greenridge Ave., White Plains, N. Y.	250
2CN	Dickey, Edward T	1649 Amsterdam Ave., New York, N. Y	220
2VY	Diehl, John F	311 3d Ave., New York, N. Y	30
2GY	Dietz, Walter	13 Sherman Ave., Yonkers, N. Y	12
2AFE	Dix, Harold S	115 Harrison Ave., Westfield, N. J.	250
2ABO	Dodd, H. Hanson	131 Clarewill Ave., Upper Montclair, N. J.	24
2RO	Dodds, Andrew C	132 S. Swan St., Albany, N. Y.	55
2ML	Donovan, Etienne S	255 Circuit Rd., New Rochelle, N. Y	30
2AV	Dooley, John J	751 Linton Ave., New York, N. Y	24
2EA	Doty, Walter P	1309 Pugsley Ave., New York, N. Y	250
$_{ m 2IY}^{ m 2EU}$	Droste, George T Dugan, Edward W	621 Torgon And Torgon City N T	210 15
2TN	Dunham Clarence I.	631 Jersey Ave., Jersey City, N. J. 250 Woodlawn Ave., Jersey City, N. J. 22 Buckingham Rd., Brooklyn, N. Y	330
ŽACV	Dunham, Clarence L Dunham, John S	22 Ruckingham Rd Brooklyn N Y	231
2PR	Dynner, Eugene.	207 26th St., Guttenberg, N. J.	550
2RG	Earle, William P., jr	White Plains, N. Y	550
2AI	Eber, John G.	5505 3d Ave., Brooklyn, N. Y.	30
2ADE	Eckler, Harry D	54 Pleasant Ave., Walden, N. Y	30
2QJ	Eckley, Harold J	Beechmont Pk., New Rochelle, N. Y	50
2PG	Eckstein, William J	35 W. 177th St., New York, N. Y	500
		35 W. 177th St., New York, N. Y 295 Hackensack Rd., Ridgefield Park, N. J. 952 Liggett Ave., New York, N. Y	30

AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
2AEH	Edwards, Joseph B	236 Linden Ave., Brooklyn, N. Y	500
2LE	Egolf, Richard S	1060 41st St., Brooklyn, N. Y.	30
2IQ	Elliott, Paul C	162 E. 66th St., New York, N. Y	500
2RG	Elrae Mfg. & Trading Co.	White Plains, N. Y.	550
2EP	Engelhart, Lawrence	New Dorp, N. Y.	250
2ET	England, George B	917 St. Nicholas Ave., New York, N. Y	432
20C	Erasmus Hall High School.	Flatbush Ave., Brooklyn, N. Y	250
2ADH	Escrich, James P	234 Warren St., Jersey City, N. J	250
2UF	Evens, Arthur F	246 Emerson Pl., Brooklyn, N. Y 724 South St., Peekskill, N. Y	12
2ABI	Everitt, William L	724 South St., Peekskill, N.Y	25
2IC	Faraon, Adolph J	808 West End Ave., New York, N. Y	550
2JK	Faraon, Rene J	808 West End Ave., New York, N. Y	4 40
2GD	Farquharson, John S	540 W. 158th St., New York, N. Y	280
2IB	Feeney, Walter	515 McLean Ave., Yonkers, N. Y	880
2ADQ	Felix, Edgar	528 Riverside Drive, New York, N. Y	220
2GA	Felsenheld, James D	The Armory, East Orange, N. J	550
2MZ	Ferguson, James B., jr	331 E. 173d St., New York, N. Y	30
2AK	Ferris, Howard E	665 Franklin Ave., Nutley, N. J	24
2CY	Ferris, Malcolm	Seaside Park, N. J.	440
2AEM	Fishoff, Louis A	Seaside Park, N. J. 210 E. 114th St., New York, N. Y.	15
2DD	Fitzgerald, Gordon P	611 W. 141st St., New York, N. Y	250
2VU	Flandreaux, Cyrus	1425 Park St., Peekskill, N. Y	800
2RU	Fletcher, Jordon J	Lynbrook, N. Y	660
2WB	Fogetti, Howard J	7421 Narrows Ave., New York, N. Y	102
2 0I	Folks, Leslie E	815 Elton Ave., New York, N. Y	60
2TB	Ford, Everett J	318 Randolph Ave., Jersey City, N. J	12
2QC	Ford, Fullerton	2479 Bedford Ave., Brooklyn, N. Y	30
2IR	Foulke, J. Brion, jr		20
2WM	Fowler, Jack B	676 Lincoln Pl., Brooklyn, N. Y	24
2KM	Francis, Charles E	1662 70th St., Brooklyn, N. Y	18
2WS	Francis, Leo A	102 Maple Ave., Port Richmond, N. Y	30
2VZ	Frederick, G. Bentley	112 Mason St., Schenectady, N. Y	300
2JN	Freeland, Wilbur W	34 Baldwin Ave., Newark, N. J	550
2IX	Freeman, Robert J	Southampton, N. Y	30
2VV	French, Edward	1216 Lincoln Ter., Peekskill, N. Y	16
2JF	Frey, Anthony C	370 E. 153d St., New York, N. Y	. 8
2PE	Fritch, Vincent J	939 College Ave., New York, N. Y	15
2ABE	Frost, Jacob	1531 2d Ave., New York, N. Y	60
2VJ	Furman, Robert S	Bay Shore, N. Y. 230 53d St., Brooklyn, N. Y	60
2GF	Gabrielson, Henry M	230 53d St., Brooklyn, N. Y	60
2QG	Gale, Rowland A	540 W. 158th St., New York, N. Y	260
2LT	Galvin, Lee R	193 Fairview Ave., Jersey City, N. J 517 Park St., Upper Montclair, N. J	18
2UP	Gannon, J. Kimball	517 Park St., Upper Montciair, N. J	100
2ABY	Gardner, William E	Adams, N. Y. Bay 8th St. and Bath Ave., Brooklyn,	500
2VR	Gassaway, Julian L	N. Y.	24
2FX	Gedney, Ray Van Duyne	25 Columbia Ave., Woodhaven, N. Y	550
2ADD	Gelina, C. J	Chatham, N. Y	250
2AY	Gittelbauer, Frederick	38 Vreeland St., East Rutherford, N. J	500
2TV	Glenn, George	251 E. 236th St., New York, N. Y	250
2JU	Goette, C. J.	1256 Hatch Ave., Woodhaven, N. Y	500
2AX	Goldhorn, L. B	54 11th Ave., Mt. Vernon, N. Y	500
2AFU	Goll, Robert E	1710 Caton Ave., Brooklyn, N. Y	500
2KY	Goodchild Electrical Co.	237 Greenwich St., New York, N. Y 106 Loraine Ave., Upper Montclair, N. J.	500
2AAX	Goodell, John B	100 Loraine Ave., Upper Moniciair, N. J.	990
2UN	Graham, Malcolm	4 Overlook Ave., Ridgewood, N. J	1 000
2EB	Gray, Frank F	Madison Bldg., Montclair, N. J	1,000
2PV	Grebe, Alfred H	10 Van Wyck Ave., Richmond Hill, N. Y.	60
2B K	Green, Adoniram J	73 Paterson St., Paterson, N. J	• •

Amateur Radio Stations—Second District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
2QQ	Green, Irving W	85 Clerk St., Jersey City, N. J.	20
2LP	Green, Raymond J	1352 St. Nicholas Ave., New York, N. Y.	200
2KL	Gregory, Arthur V	197 High St., Perth Amboy, N. J.	250
2BX	Grieshaber, George T	819 S. 17th St., Newark, N. J	15
2AGI	Grumbacher, Walter	Peekskill, N. Y	60
2ADN	Gutmann, Bernard	110 Garfield Pl., Brooklyn, N. Y	20
2HJ 2KR	Hadden, Weston	1716 Albemarle Rd., Brooklyn, N. Y	460
2UQ	Hallenbeck, Charles	1150 54th St., Brooklyn, N. Y	50
2EN	Hallett, E. Douglas Halligan, James W	86 Prospect Pl., Rutherford, N. J 328 E. 19th St., New York, N. Y	30 16
2AFV	Halsey, Edward G., jr	200 Smith St., Peekskill, N. Y	20
2CW	Ham, Frank H	Cornwall-on-the-Hudson, N. Y.	230
2PX	Hamilton, Albert G., jr.	Larchmont, N. Y.	250
2EW	Hamilton, Joseph E	16 W. Broadway, Port Chester, N. Y	30
2FK	Hamilton, Ralph	358 Willet Ave., Port Chester, N. Y	30
20A	Hammond, Lester	2187 Broadway, New York, N. Y	30
2CQ	Hampe, Bernard A	137 Cornelia St., Brooklyn, N. Y	48
2DW	Hansen, Carl A	130 Weehawken St., West Hoboken, N. J.	32
2AE	Happe, William H	566 W. 162d St., New York, N. Y	108
2FQ	Hardwick, Ambrose H	224 Oakwood Ave., Orange, N. J.	1,000
2GH	Hardy, Myles	218 W. 64th St., New York, N. Y	24
2FZ	Harris, Charles C	Elliott Pl., Freeport, N. Y	250
2ACE	Harrison, John B	112 Broad St., Bloomfield, N. J	30
2FY	Hartman, Robert	596 W. 178th St., New York, N. Y	500
2MA	Hasbrouck, Earl	Walkill, N. Y	845
2SM	Hatry, William B	71 Orange St., Brooklyn, N. Y	30
2ACW	Hattermuller, Theodore.	34 S. Railroad Ave., Middletown, N. Y.,	20
2JC	Hawkins, Ernest W	224 Depew St., Peekskill, N. Y	18
2NG	Hayden, Thomas J	408 W. 150th St., New York, N. Y	1,000
2KC	Hayes, Frank X. J	162 E. 82d St., New York, N. Y	40
2BM	Heermance, Earle	523 State St., Hudson, N. Y	500
2AFJ	Heinsohn, Frederick E	442 S. 4th Ave., Mt. Vernon, N. Y	24
2ABB	Held, William J	110 Elliot Ave., Yonkers, N. Y	····
2ABX	Helken, Emil W	430 Mott Ave., New York, N. Y	38
2PW	Hellman, Abraham E	424 E. 138th St., New York, N. Y	18
2FJ	Helwig, Herman F	711 E. 18th St., Brooklyn, N. Y	250
2ACT	Hendricks, Miles S	Lloyd, N. Y	27
2FO 2AT	Hendrickson, Verner A	340 Beekman Ave., New York, N. Y	30 500
2AFP	Herdin, Rudolph	465 Harrison St., Passaic, N. J	200
2AGJ	Hershey, Raymond Hewitt, John K	Quail and Bradford Ste Albany N V	880
2WE	Heydon, Albert R	Quail and Bradford Sts., Albany, N. Y 403 Decatur St., Brooklyn, N. Y	24
2UO	Heyer, Benjamin W	45 N. Fullerton Ave., Montclair, N. J	50
2DG	Higgs, Harry Y	30 Irving Pl., Brooklyn, N. Y	50
2NU	Hill, William S	332 Rector St., Perth Amboy, N. J	48
2LJ	Hoagland, Raymond	Red Bank, N. J.	520
2AFK	Hocmer, Edwin C., jr	Catskill, N. Y	110
2EK	Hoernel, Paul	Babylon, N. Y	220
2NS	Hoffman, Paul J	1688 2d Ave., New York, N. Y	30
2AFM	Holmes, George	158th St. & Harlem River, New York, N.Y.	100
2AFO	Holmes, George	164 W. 146th St., New York, N. Y	880
2ADW	Homan, Carroll L	Sayville, N. Y	7
2NF	Homan, Eber J	336 52d St., Brooklyn, N. Y	30
2LY	Hoover, Raymond	496 Belmont Ave., Newark, N. J	250
2MP	Hopkinson, Russell	110 Washington St., East Orange, N. J	1,000
2MF	Hoppock, Allen H	215 Clark St., Westfield, N. J	500
2NH	Horn, Charles W	Broadway, Far Rockaway, N. Y	250
20J	Horning, Robert H	29 Westfield Ave. E., Roselle Park, N. J.	880
2AFW	Hornung, Julius L	203 E. 64th St., New York, N. Y	45
2HU	Hotchkiss, Grosvenor		30

AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
OTT	TII Wala T	lor Di la Varia Varia	Watts.
211	Howell, Walter J	135 Edgecombe Ave., New York, N. Y	60
2ABT	Hulse, L. Mortimer	9 James St., Middletown, N. Y	500
2ADC	Humphreys, Ferdinand	319 W. 82d St., New York, N. Y	20
2ADL	Hunkins, Carl J	123 Hillside Ave., Newark, N. J	20
2ACD	Hunter, Thomas F Hurd, John B	1102 W. 2d Ave., Asbury Park, N. J Tilton Ave., Red Bank, N. J	385
2EG	Hurd, John B	Tilton Ave., Red Bank, N. J	250
2EF	Hurd, Theodore	Tilton Ave., Red Bank, N. J.	24
2HL	Huyler, Rollin M	809 St. Nicholas Ave., New York, N. Y.	50
2AB	Hyde, George G	Roslyn, N. Y.	600
2UJ 2NQ	Innes, Richard C	343 W. 29th St., New York, N. Y	60
	Isaacson, Charles B	48 W. 89th St., New York, N. Y	660
2LS	Jablousky, William	553 E. 134th St., New York, N. Y	60
2EX 2EE	Jackson, Benjamin B	188 Montross Ave., Rutherford, N. J	770
2ADU	Jacobs, Charles F	279 Park Pl., Brooklyn, N. Y	40 36
2KD 0 2IK	Jakobson, Irving D Jensen, Martin	370 Senator St., Brooklyn, N. Y	500
2VC	Ichneon Theophilus in	17 2d St Woodeida N T	48
2RV	Johnson, Theophilus, jr Johnson, W. Eugene	17 3d St., Woodside, N. J. Grant Ave., East Rockaway, N. Y	20
2SO	Johnston, James E	1370 Clay Ave. New York N V	400
2AAL	Johnstone, George W	235 Rector St Parth Ambox N I	30
20Y	Jones, Frank	1379 Clay Ave., New York, N. Y. 235 Rector St., Perth Amboy, N. J. 1814 Brunswick St., Newark, N. J.	24
2ÃÔ	Jones, Robert O	237 Newark Ave., Bloomfield, N. J	32
	Jordan, John Patrick	333 3d Ave., New York, N. Y	24
2AAQ	Judson, Joseph E	80 2d St Kovnort N I	30
2BC	Kaltenbach, Henry J., jr.	150 Alta Ave Yonkers N Y	65
2FV	Kaplan, Louis A	150 Alta Ave., Yonkers, N. Y. 1348 Boone Ave., New York, N. Y	30
2ABH	Kavanagh, John	1920 Anthony Ave., New York, N. Y	12
2VT	Kayser, Herbert	41 Convent Ave., New York, N. Y.	800
2WA	Keers, John K.	41 Convent Ave., New York, N. Y 224 81st St., Brooklyn, N. Y	250
2QX	Keller, George C	2181 Richmond Turnpike, Port Rich- mond, N. Y.	350
2ON	Kellow, James C	144 Liberty Ave., Jamiaca, N. Y	1,000
2NJ	Kennedy Harold I	51 Bainbridge St., Brooklyn, N. Y	24
2AEQ	Kienzle Henry A	419 E. 79th St. New York, N. Y.	15
2KX	Kennedy, Harold J Kienzle, Henry A Kilmer, Theron W	419 E. 79th St., New York, N. Y	24
2QD	King, Wendell W	778 1st Ave., Upper Troy, N. Y	550
2FI	Kirkpatrick, Louis W	317 6th Ave., Newark, N. J	12
2AEC	Kleinberger, Richard	239 Bement Ave., West New Brighton,	24
		N: Y.	
2DH	Knapp, Samuel	89-A Cooper St., Brooklyn, N. Y	72
2AET	Knopf, Richard	3048 Decatur Ave., New York, N. Y	108
2VF	Koch, Edward	168 Willis Ave New York. N. Y	60
2NP	Koenig, George F	4279 Webster Ave., New York, N. Y 1009 Walker Ave., Woodhaven, N. Y	250
2SF	Kollock, Alan S	1009 Walker Ave., Woodhaven, N. Y	36
2AAP	Kollock, Arnett W	427 Decatur St., Brooklyn, N. Y	24
2BR	Krech, Karl G	316 Godwin Ave., Midland Park, N. J	495
2SQ	Kreeft, Raymond A	10 Elm St., West Orange, N. J	30
2KA	Kroener, Christian E	115 Watchung Ave., Plainfield, N. J	270
2AAR	Kroger, Ernest G	Hartsdale, N. Y	270
2ADS	Laffenandre, Gaston W.	Sayville, N. Y	20
2PU	Lalley, Joseph F	16 Short St., Coytesville, N. J	100
2JJ	Landshof, R. W	30 Hasbrouck Pl., Rutherford, N. J	10
2HX	Lane, David M	343 9th St., Jersey City, N. J.	24
2TY	Lane, George Larkin, James S	139 Academy St., Poughkeepsie, N. Y	30
2JS	Larkin, James S	66 E. 56th St., New York, N. Y	660
2WD	Lasher, Charles E	253 Decatur St., Brooklyn, N. Y	24
2AAM	Laug, Ernest	66 E. 56th St., New York, N. Y. 253 Decatur St., Brooklyn, N. Y. 411 Spring St., West Hoboken, N. J.	30
2MB	Lawrence, George J., jr	Jackson Ave., Nyack, N. Y 105 Bay 29th St., Bensonhurst, N. Y	16
2NE	Lebowitz, Samuel	105 Bay 29th St., Bensonhurst, N. Y	440

Amateur Radio Stations—Second District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
2M X	To Colleg Cleasten P	Slingoplands N V	Watts.
2FL	Le Gallez, Clayton B Lehmann, August, jr	Slingerlands, N. Y	35
2AFR	Lehmann, Erich W. G	36 Steuben St., East Orange, N. J	200
2WG	Lemkie, Harry A	30 Delaware St., Elizabeth, N. J	500
21E	Lemmon, Walter S	319 W. 94th St., New York, N. Y	440
2AAV	Le Tarte, Augustin J	346 McClellan St., Schenectady, N. Y	600
2AGK	Lewis, Edward H	2021 Morningside Ave., New York, N. Y	10
2AEW	Leyh, William	1867 Himrod St., Brooklyn, N. Y	7
2AGC	Lindgren, Richard N	2081 S. Blvd., New York, N. Y	520 30
2IV 2ABR	Lindsay, Russell	39 N. 16th St., East Orange, N. J 96 Highland Ave., Yonkers, N. Y	250
2VI	Lorini, Osmun W Loub, Arthur F	445 E. 88th St., New York, N. Y	48
2BB	Lounsberry, Isaac R	13 Edward St., Ossining, N. Y	500
2ED	Lowe, Graham von S	262 W. 77th St., New York, N. Y	60
2BZ	Lyman, C. Glenn	Babylon, N. Y	10
2HO_	Lyone, William B	Babylon, N. Y Broad St., Bloomfield, N. J	1,000
2ACK	MacBride, William D	107 Oak St., Jersey City, N. J	30
2ABS	Mack, Burtis D	Pleasantville, N. Y	1,000
2WY	MacLeod, Myron R	530 5th St., Brooklyn, N. Y	440
2FW 2ABM	MacPherson, Claude V Magennis, Arthur K	557 W. 144th St., New York, N. Y	30
2AAO	Maguire, Howard S	Edgewater, N.J. 814 Lancaster St., Albany, N. Y. 317 E. 144th St., New York, N. Y. 215 Union Ave. Round Brook N. J.	250
2DK	Maguire, Nelson	317 E. 144th St., New York, N. Y.	15
2ACS	Maier, John C	215 Union Ave., Bound Brook, N. J	500
2KE	Maloney, Joseph T	164 E. 82d St., New York, N. Y	50
2GQ	Manning, Charles T	81 N. Maple Ave., East Orange, N. J 126 Piermont Ave., Nyack, N. Y	18
2JQ	Manning, Walter B	126 Piermont Ave., Nyack, N. Y	40
2AGB	Marchant, Ralph	2711 Creston Ave., New York, N. Y	550
2OX	Mardon, F. Herbert	1309 West Farms Rd., New York, N. Y.	30
2GX 2AFD	Mason, Samuel F	Keyport, N. J	220
	Massimo, Albert Maurer, Edward W	53 Osborn St., Keyport, N. J.	30
2SG	May, Fred	143 High St., Montclair, N. J	12
2TD	Mayer, Arthur C	319 W. 139th St., New York, N. Y	220
2AGG	Mayer, Warren J	157 Elm St., Elizabeth, N. J	18
$^{2}\mathrm{HP}$	Mayhew, B. Allen, jr	Tenafiv. N. J	550
2VX	McCarthy, George W	1012 Sutter Ave., Brooklyn, N. Y	24
	McClintock, George C	319 Dudley Ave., Westfield, N. J	250
2HA 2BY	McCoy, Daniel	45 Lee Ave., Yonkers, N. Y	1,000
2HM	McHugh, John A McKee, Clarence A	455 141st St., New York, N. Y	
2EY	McKinney, Fred J	300 Glenwood Ave., Bloomfield, N. J	
$\overline{\mathbf{2LG}}$	McLaughlin, Frederick L	242 Nostrand Ave., Brooklyn, N. Y	90
2PI	McLoughlin, Robert J	105 Francisco Ave., Rutherford, N. J	250
2AEO	McMonagle, Daniel J	571 59th St., Brooklyn, N. Y	24
2LI	Meacham, Frederick C. jr	236 Decatur St., Brooklyn, N. Y	60
2NV	Meder, George C	990 1st Ave., New York, N. Y	550
2OF 2AAW	Meier, Robert A	Lynbrook, N. Y	15
2AAE	Meinecke, Ernest Mekeel, Arthur H		
2AW	Melville, Richard T	Lloyd, N. Y	30
2SL	Merrill, J. Stewart	Lynbrook, N. Y.	1,000
2NO	Merritt, Frank	Lynbrook, N. Y	300
20G	Meuke, Charles H	135 Corlies Ave., Asbury Park, N. J	30
	Meyer, Charles A	Fair Haven, N. J.	
2EL	Meyer, William E	181 W. 63d St., New York, N. Y	
2IF 2ACY	Miller, Eugene B	4 New Vanderbilt Ave., Jamaica, N. Y	1,000
2ADI	Miller Fred W	12 Hicks Ave., Winfield, N. Y	250
2NI	Moles, Charles E	229 Valentine Lane, Yonkers, N. Y	133
	moios, Onarios 14	and rateminio Dane, Tunkers, IV. 1	. 10

AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
2WU	Moore, H. Atherton	95 Prospect St., Nutley, N. J	1,000
2BI	Morgan, Waller V	149 Urban St., Mt. Vernon, N. Y	24
2MI	Morgan, Waller V Morris, Earle S	149 Urban St., Mt. Vernon, N. Y 1192 Dean St., Brooklyn, N. Y	500
2LN	Morrison, Clifford P	365 Warburton Ave. Yonkers N. Y	1,000
2MT	Moses, Abram W	270 E. 161st St., New York, N. Y 67 Mott Ave., Far Rockaway, N. Y	10
2PO	Mott, Harold	67 Mott Ave., Far Rockaway, N. Y	500
2HY	Muckenhaupt, Carl F	317 Church St., Poughkeepsie, N. Y	15
2AG	Mulford, Harold C	6 Weekes Ave., Oyster Bay, N. Y	440
2AFY	Muller, Herbert W	203 E. 71st St., New York, N. Y	30
2SK	Murray, Charles	Great Notch, N. J.	250
2AFQ		401 Manhattan Ave., New York, N. Y	18
2FT	Murray, Stephen A	591 N James St Poekskill N V	30
2ABA	Murray, William E Myers, Austin S	521 N. James St., Peekskill, N. Y 129 Wallace Ave., Mt. Vernon, N. Y	812
	Myels, Austin S	14 North Ave Poughkeensie N V	27
2JL	Mylod, Frank V	14 North Ave., Poughkeepsie, N. Y	
2GU	New York Catholic Pro-	Walker Ave., New York, N. Y	108
2NW	tectory. New York School of	2-14 W. 125th St., New York, N. Y	500
21111	Telegraphy.	2 11 11. 120th 80., 11011 101K, 11. 1	000
2ADR	Nightingale, John J	103 17th Ave., Paterson, N. J	20
2WF	Nolan, Frank J.	100 Linden Ave., Bloomfield, N. J	18
2CH	Norton, Joseph G.	334 Bargan St. Brooklyn N. V	48
2OL	O'Brian Laurence I	334 Bergen St., Brooklyn, N. Y	15
2CK	O'Brien, Laurence J O'Brien, Thomas	7 Naggar Ava Francet N V	880
	Ochmon Occar	097 Tofforgon Arra Brooklyn N V	12
2KU	Oehmen, Oscar	987 Jefferson Ave., Brooklyn, N. Y	30
2ABW	Olsen, Arthur C	1046 Summit Ave., New York, N. Y	45
2ACP	Olson, Alfred E	4035 Park Ave., New York, N. Y	
2BU	Olson, Oscar A	194 W eeth St New York N. 1	60
2HS	O'Mara, Edward F Orben, Howard E	134 W. 66th St., New York, N. Y.	12
2GW	Orben, Howard E	93 Speedway Ave., Newark, N. J	500
2QU	Osborne, J. Spencer	45 Broad St., Newark, N. J. 33 Edwards St., Ridgewood, N. J.	6
2MO	Ostman, Frederick B	33 Edwards St., Ridgewood, N. J	40
2AFT	Oudin, C. Folger	7 Union St., Schenectady, N. Y.	1,000
2RE	Pacent, L. Gerard	397 Van Pelt St., Long Island City, N. Y	550
2AEX	Paige, John S	999 Esplanade, Pelham Manor, N. Y	150
2NK	Palm, J. Adam	18 14th Ave., Mt. Vernon, N. Y. 48 W. 50th St., New York, N. Y.	30
2DY	Palmer, Corydon	48 W. 50th St., New York, N. Y	880
2GK	Pate, W. Schuyler	4 Florence Ave., Edgemere, N. Y	1,000
2AFS	Patton, Norman F	257 W. 92d St., New York, N. Y	24
2AZ	Pearl, Eugene S	307 Gregory Ave., Passaic, N. J. 197 Warburton Ave., Yonkers, N. Y	500
2WH	Pearsall, Arthur R	197 Warburton Ave., Yonkers, N. Y	330
2GO	Peltier, Paul D	345 W. 70th St., New York, N. Y	30
2AEA	Pendleton, Archibald F.	49 Pendleton Pl., New Brighton, N. Y	1,000
2MD	Pendleton, Harold A	799 Quincy St., Brooklyn, N. Y	16
2AAZ	Pennell, Vere F	15 Baldwin St., Newark, N. J	6
2ADZ	Perkins, William J Perkins, William P	425 75th St., Brooklyn, N. Y	500
2FM	Perkins, William P	35 Grant Ave., Yonkers, N. Y	24
2HG	Peters, Frank J	Broad St., Bloomfield, N. J	715
2AEJ	Pettit, Mortlock S	88 Fanshawe Ave., Yonkers, N. Y	250
2FA	Pfeifer, Clarence H	306 Prospect St., Ridgewood, N. J	550
2NZ	Pfeil, A. Leslie	306 Prospect St., Ridgewood, N. J 242 Cottage St., Irvington, N. Y	325
2WJ	Pflomm, George M	1829 Topping Ave., New York, N. Y	30
2UX	Phelan, Charles W	61 Powell Ave., Rockville Center, N. Y	50
2RX	Phelan, Charles W Picken, James C., jr	2287 University Ave., New York, N. Y	500
2GZ	Plate Fred W	91 Van Reypen St., Jersey City, N. J	36
2KW	Plummer James A	340 Orient Way Rutherford N I	30
2CZ	Plummer, James A	340 Orient Way, Rutherford, N. J 862 Sterling Pl., Brooklyn, N. Y	30
	Poe, Vergil C	424 Brandywine Ave Schangetady N V	200
2ACL	Pollman, Lauren V	424 Brandywine Ave., Schenectady, N. Y.	30
2ACC 2UM	Poling, Gifford Poling, Russell H	Keyport, N. J. Keyport, N. J. 34 Clifton Pl., Brooklyn, N. Y.	500

Amateur Radio Stations—Second District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
2WT	Poole, William C	53 Maple St., Yonkers, N. Y	32
2PF	Pope, Frederick B	24 Carroll St., Yonkers, N. Y	440
2AEY	Poppele, Jacob, jr Porter, Charles A	1 99 Tooch Qt Normowle N I	24
2RJ	Porter, Charles A	1700 Ditmas Ave., Brooklyn, N. Y	440
2AM	Preiss, Charles E	1700 Ditmas Ave., Brooklyn, N. Y. 415 Central Ave., Brooklyn, N. Y.	18
2OP	Prendergust, Robert M	1 1/4 4th St., Union Course, N. I	3
2DL	Price, Henry S	435 Clinton Ave., Brooklyn, N. Y	500
2CD	Prosser, Roger D	Englewood, N. J	30
2ABV	Pulsifer, Frederic K., jr.	353 Ridgewood Ave., Glen Ridge, N. J.	30
2EI	Quick, Henry C	471 75th St., Brooklyn, N. Y Great Neck Station, N. Y 558 W. 165th St., New York, N. Y	500 30
2NX	Quinn, Herman M	Great Neck Station, N. I	25
2TK	Randolph, Randolph A.	1970 Marris Assa Narr Varls N. V.	120
2AED	Rappolt, Frank A	1879 Morris Ave., New York, N. Y	330
2HC	Raque, Carl P	26 Union St. Doughkoopgie N. V.	25
2AFG	Rattner, Manuel	82 Booraem Ave., Jersey City, N. J 36 Union St., Poughkeepsie, N. Y	1,000
20E 2 A BZ	Raynor, Sinclair L Regan, Claude	1 10cuul	1,000
2 X	Reich, Herbert J	Keyport, N. J	12
2ACF	Reichman, John T	Belford, N. J.	500
2RH	Reiss, Lester	580 W. 161st St., New York, N. Y	250
2RB	Reuman, William H	480 9th Ave., New York, N. Y	525
2AEI	Reynolds, Albert S	480 9th Ave., New York, N. Y	15
2AAT	Reynolds, Palmer W	3 N. Terrace Ave., Mt. Vernon, N. Y	24
2ACG	Reynolds, Thomas A	l 16 Camp Woods Rd., Ossining, N. Y	30
2ACU	Richardson, John R	16 Culver St., Yonkers, N. Y	15
2IS	Ricketts, Percy E	16 Culver St., Yonkers, N. Y	250
2JM	Rigby, Joseph, jr	905 E. 19th St., Paterson, N. J	18
2KF	Ritchie, Edmond W	905 É. 19th St., Paterson, N. J	930
2WX	Ritter, Irving W	1438 McCormick Ave., Ozone Park, N. 1.	18
2LC	Roberts, A. Perry	Tenafly, N. J.	500
2CC	Roberts, Harold S	647 Flatbush Ave., Brooklyn, N. Y	20
2VE	Robertson, Gus	125 Hunter Ave., Long Island City, N. Y	30
2KT	Robertson, Merle E	98 Piermont Ave., Nyack, N. Y	15
2HE 2IU	Rock, Leroy W Rodenbach, John F	201 Beach St., Red Bank, N. J	24
ŽACO	Pogen John	1542 Elmore Pl., Brooklyn, N. Y. 13 W. 100th St., New York, N. Y. 52 Gate St., Poughkeepsie, N. Y.	66
2ADG	Rogers, John	52 Cata St Poughkaansia N V	42
2FN	Rosa, Harry D Roth, August F Roy, James A. S	2316 Gleason Ave., New York, N. Y	30
ŽTH	Roy James A S	59 Park Ter West Orange N J	30
2IA	Royce, Winfred A	59 Park Ter., West Orange, N. J	500
2ABG	Runyon, Carman R., jr	563 Palisade Ave., Yonkers, N. Y	1,000
2JY	Rupert, S. E. G.	107 2d Ave., Pelham, N. Y	1,000
2GP	Rutherford, T. Bruce Ruttmann, Ferdinand	107 2d Ave., Pelham, N. Y	24
2DE	Ruttmann, Ferdinand	605 W. 141st St., New York, N. Y	250
2WL	Ryan, Lester F	18 Kosciusko St., Brooklyn, N. Y	1
2DM	Sachs, Harold Sands, Walter H	701 Madison Ave., New York, N. Y	25
2HN	Sands, Walter H	512 W. 123d St., New York, N. Y	110
2SB	Sangree, Ernest M	1807 Ditmas Ave., Brooklyn, N. Y	28
2AEN	Saxton, Herbert	215 Bidwell Ave., Jersey City, N. J	32
2LH	Sayres, Ralph A	4645 Central Ave., Richmond Hill, N. Y.	36
2SU	Schabbehar, Edwin A	215 Bidwell Ave., Jersey City, N. J 4645 Central Ave., Richmond Hill, N. Y. 412 Village Ave., Rockville Center, N. Y.	770
2AFI	Schaefer, Charles	2021 Webster Ave., New Tork, N. I	105
2AFH 2AAN	Schaeffer, Adolph Schanck, Henry S	1487 Nostrand Ave., Brooklyn, N. Y	105 500
ZAAN 2IO	Scharronhools Goorge II	92 Main St., Keyport, N. J	220
2EQ	Scharrenbeck, George H.	126 W. 1st St., Mt. Vernon, N. Y	350
2BF	Schedler, Herbert D Schell, Richard, jr	148 Nelson Ave., Jersey City, N. J 35 Grasmere Ave., Grasmere, N. Y	350
2AGL	Schenone, John	15 1st St., Keyport, N.J.	16
2BO	Schermerhorn, Howard F.		300
2ĎĴ		28 Jefferson St., Brooklyn, N Y.	36

AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power
			Watts.
2ADJ	Schmitt, George P	Blackwell's Island, N. Y	250
2EO	Schneider, Alexander	326 E. 69th St., New York, N. Y	40
2VO	Scholerman, Carl	Pleasantville, N. Y	1,000
2PD	Schomp, Roy	76 Undercliff Ave., Edgewater, N.J	220
2CB	Schram, John, jr	21 Locust St., Brooklyn, N. Y	60
2HI	Schuck, Charles H	500 W. 143d St., New York, N. Y	30
2BH	Schulte, Carl E	67 Oak St., Ridgewood, N. J.	250
2PQ	Schwartz, Max B	1709 St. Johns Pl., Brooklyn, N. Y.	24
2DQ	Schwarzkopf, Irving M	138 E. 95th St., New York, N. Y.	500
2KG	Schweitzer, William P		8
2ND	Schweizer Charles L	710 3d Ave. Brooklyn N Y	50
2IN	Scofield Robert W	87 Macon St. Brooklyn N V	50
2AN	Scofield, Robert W Sedlak, Conrad J	633 Main St New Durham N I	295
2ACM	Segall, Louis M	1822 65th St. Brooklyn N. V.	32
2DX	Soud Ernost V	221 Park Pl Brooklyn, N. Y.	50
2MW	Seyd, Ernest K	199 Conling Ave. West Cross N. I	30
	Shafto, J. Robert	710 3d Ave., Brooklyn, N. Y. 87 Macon St., Brooklyn, N. Y. 633 Main St., New Durham, N. J. 1832 65th St., Brooklyn, N. Y. 231 Park Pl., Brooklyn, N. Y. 123 Corlies Ave., West Grove, N. J.	1 000
2NM	Sharp, Watkin W	Far Rockaway, N. Y. 7 Jones Pl., Yonkers, N. Y. 391 St. Johns Pl., Brooklyn, N. Y. 28 Segond Avg. Highland Payle, N. J.	1,000
2ABJ	Shaughnessy, Jack F	201 Ct. Johns Dl. Desert N. Y.	550
2PZ	Shaw, Horace S	391 St. Johns Pl., Brooklyn, N. Y	250
2CG	Shield, Frederic K	23 Second Ave., Highland Fark, N.J	550
20U	Siebert, Walter	1538 E. 15th St., Brooklyn, N. Y	30
2GV	Siegmann, Harry E Silleck, William C	36 Davis St., Hempstead, N. Y	750
2AAD	Silleck, William C	422 Willis Ave., New York, N. Y	18
20H	Skhar, Joseph	354 Cypress Ave., New York, N. Y	30
2GR	Slagel, E. Lester	25 S. 2d Ave., Mt. Vernon, N. Y. South St., Oyster Bay, N. Y. 327 E. 27th St., New York, N. Y.	18
2MK	Smith, Daniel W	South St., Oyster Bay, N. Y	130
2AFX	Smith, Edward J	327 E. 27th St., New York, N. Y	36
2AGF	Smith, Joscelyn E	444 W. 163d St., New York, N. Y	24
2DU	Smith, Joseph T	126 E. 114th St., New York, N. Y	500
2LK	Smith, J. Owen	126 E. 114th St., New York, N. Y. Valley Stream, N. Y.	250
2JP	Smith, Julius J. R	807 Lincoln Pl., Brooklyn, N. Y	12
2ER	Smith, Loughran S	18 Maiden Lane, Kingston, N. Y	15
2JO	Smith, Nelson V	Lawrence, N. Y	1,000
2AEU	Smith, Ralph C	129 N. 14th St., East Orange, N. J	15
2ABQ	Smith, Robert W	152 Croton Ave Ossining N Y	18
2KH	Solberg, Walter	152 Croton Ave., Ossining, N. Y	25
2GC	Sonn, Albert E	150 2d Ave., Newark, N. J.	550
2RP	Sorgens, Walter M	65 Odell St., Schenectady, N. Y	960
2KZ	Spaulding, Kenneth W.	501 Apoulo Rd Brooklym N V	30
2IM		501 Argyle Rd., Brooklyn, N. Y. 25 S. 4th St., Lakeview, N. J. 660 W. 180th St., New York, N. Y.	1,000
2WP	Spangenberg, Lester	eco W 190th St. Norr Vorla N V	500
2FD	Spannaus, Charles O	1611 let Arro New York N. V.	30
2RF	Spiegel, Walter	1611 1st Ave., New York, N. Y	24
	Springer, C. Meredith	339 Union St., Far Rockaway, N. Y	
2AAH	Srebroff, Carl	443 E. 88th St., New York, N. Y	30
2FS	Stanley, Howard L	Babylon, N. Y	224
2AGS	Starrett, John	782-A Hancock St., Brooklyn, N. Y	18
2AEE	Starrett, John	440 McDonough St., Brooklyn, N. Y	20
2VW	Steinkamp, Harold	89 Hyatt Ave., Yonkers, N. Y	500
2LM	Stellman, Alfred	New Bridge, N. J.	500
2AFF	Sterns, Morton W	705 W. 179th St., New York, N. Y	1,000
2AFL	Stevens, Fred	15 Wood Pl., Yonkers, N. Y	25
2UZ	Stewart, G. Edwin	45 Hillside Ave., Rockville Center, N. Y.	220
2ADA	Stimpson, Warren E	1933 Daly Ave., New York, N. Y	1,000
2AAC	Storrs, William K	1933 Daly Ave., New York, N. Y	60
2JA	Story, Robert K., jr	212 Hancock St., Brooklyn, N. Y	72
2AEV	Strauss, Maurice B	568 5th St., Brooklyn, N. Y	36
2LV	Stutz, E. Waldo	568 5th St., Brooklyn, N. Y	18
2JG	Tannenbaum, Harold J.	835 W. 113th St., New York, N. Y	18
2AEL	Tannenbaum, Samuel	86 Warburton Ave., Yonkers, N. Y	1,000
	Taylor, George W		500

AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
2AGH	Taylor, K. Allan	576 Madison Ave., Elizabeth, N. J	Watts.
2ACZ	Terhune, Frank	167 High St., Passaic, N. J.	250
2EC	Thiede, Ferdinand C	486 Decatur St., Brooklyn, N. Y	24
2PJ	Thomas, Alonzo E., jr	176-A Union St., Jersey City, N. J.	9
2BQ	Tischler, Max	591 Bergen St., Newark, N. J.	25
2AEB	Tompkins, George F	601 W. 172d St., New York, N. Y	30
2OR	Tong, Myron A	148 Housman Ave., West Brighton, N. Y.	250
2CP	Totten, Elmer E	95 W. 33d St., Bayonne, N. J	16
2AEP	Touroff, Sigmund	1820 Topping Ave., New York, N. Y	550
2CF	Traflet, Frederick E	20 Cottage Pl., Yonkers, N. Y	30
2PT	Traver, William F	67 Mott Ave., Far Rockaway, N. Y	500
2AAJ	Tripp, David R	103 Hugh St., Schenectady, N. Y	660
2AC	Tripp, George B., jr	30 Edgecliff Ter., Yonkers, N. Y	250
2ABN	Trube, Carl E	6 Livingston Ave., Yonkers, N. Y	30
2AAU	Trube, Robert L	Hastings-on-the-Hudson, N. Y	250
2FG	Tymeson, Sidney	21 Henry St., Schenectady, N. Y	30
2KB	Tyrrell, Randolph E	677 E. 19th St., Brooklyn, N. Y	250
2RM	Underhill, Chester R	47 Church St., Montclair, N. J	120
2AR	Underhill, George H	78 S. Hamilton St., Poughkeepsie, N. Y	30
2HD	Underwood, Kenneth C.	259 Mt. Prospect Ave., Newark, N. J	255
2AP	Unger, Charles F	Harrison, N. Y.	60
2KI	Uphoff, Leslie S	120 Avenue B, Schenectady, N. Y	550
2OT	Urbain, Ferdinand A	1189 44th St., Brooklyn, N. Y.	180
20B	Valladares, Frank N	54 Thompson St., Schenectady, N. Y	50
2UU	Vanderbilt, Clinton B	5 Jerome Pl., Upper Montclair, N. J	24
2ABK	Van Meerbeke, C. J., jr.	Hazlet, N. J	48
2KV 2MG	Varetoni, Wm	115 Randolph Ave., Clifton, N. J 34 S. 9th Ave., Mt. Vernon, N. Y	250
2GT	Vegessy, John W	435 E. 6th St., New York, N. Y	500
	Veneman, Peter	36 Watson St., Paterson, N. J.	15
2ACA	Viering, Harry F	98 Abbott Ave., Ocean Grove, N. J	2
2ADX	Vogel, Erwin W	61 S. Blvd., New York, N. Y	30
2ACR	Von Thun, Henry B	636 Halsey St., Brooklyn, N. Y	24
2ADO	Vrooman, Max M	1204 State St., Schenectady, N. Y	480
20Q	Wade, J. Melmoth	83 Hamilton Ave., Yonkers, N. Y	1
2AĂF	Waelde, William E	424 Church St., Poughkeepsie, N. Y	54
2DO	Wallace, George D	65 Church St., Freeport, N. Y	750
2ABU	Walton, Fred E	61 Raymond Ave., Rutherford, N. J	578
2DT	Wandres, Charles T	3411 3d Ave., New York, N. Y	50
2QP	Ward, John R	160 Garfield Pl., Brooklyn, N. Y	24
2DN	Warner, Herbert M	Little Falls, N. J	72
2MJ	Webb, Frederick F	21 Sprague Ave., Tottenville, N. Y	200
2MQ	Weber, Ernest A	285 S. 2d St., Brooklyn, N. Y	18
2ABL	Weigand, Daniel	Hazlet, N. J.	30
2FH	Weiss, Jacob	5 Adams St., Port Washington, N. Y	960
2JE	Wendelstadt, Lucius F	8 Seymour St., Montclair, N. J.	1,000
2CA	Werner, George J	728 W. 181 St., New York, N. Y	440
2TJ	White, Howard E	1125 Madison Ave., New York, N. Y Briarcliff Manor, N. Y	100
	Whitson, John H	92 Hamilton Ave., Yonkers, N. Y	500
$^{2\mathrm{WQ}}_{2\mathrm{EH}}$	Willetts, Gilson V	1120 F 27th St. Brooklyn N V	50
2GN	Wilmott, George B Wilson, John A., jr	1138 E. 37th St., Brooklyn, N. Y Tenafly, N. J	500
2QI	Wimpfheimer, Gustave R		500
2DA	Winn, Arthur H	325 Church St., Poughkeepsie, N. Y	440
2FP	Woerner, Charles A	247 Union St., Jersey City, N. J.	30
2NR	Wohltmann, Henry M	168 W. 55th St., Brooklyn, N. Y	30
	Woodrow, William	224 W. 140th St., New York, N. Y	886
2BV	Woodward, Reginald	84 Amherst St., East Orange, N. J.	12
2ABC	Woolcott, James V	40 Edgewood Lane, Palisades, N. J	500
2IW	Worth, John B		

AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
2AES 2BE 2HZ 2AEG 2CM 2DB	Yerbury, George S., jr Youmans, Chester Ziegler, Edward F	115 Mountain Ave., Westfield, N. J	30 7 220

ALPHABETICALLY BY CALL SIGNALS.

		11	
Call signal.	Owner of station,	Call signal.	Owner of station.
2AA	Adams, Everett L.	2ABV	Pulsifer, Frederic K., jr.
2AAB	Deitz, Burr V.	2ABW	Olsen, Arthur C.
2AAC	Storrs, William K.	2ABX	Helken, Emil W.
2AAD	Silleck, William C.	2ABY	Gardner, William E.
2AAE	Mekeel, Arthur H.	2ABZ	Regan, Ćlaude.
2AAF	Waelde, William E.	2AC	Tripp, George B., jr.
2AAG	Maurer, Edward W.	2ACA	Viering, Harry F.
2AAH	Srebroff, Carl.	2ACB	Collinge, James N.
2AAI	Dartiguenave, Henry P.	2ACC	Poling, Gifford.
2AAJ	Tripp, David R.	2ACD	Hunter, Thomas F.
2AAK	Cockaday, Laurence M.	2ACE	Harrison, John B.
2AAL	Johnstone, George W.	2ACF	Reichman, John T.
2AAM	Laug, Ernest.	2ACG	Reynolds, Thomas A.
2AAN	Schanck, Henry S.	2ACJ	de Calahorra, Amadeo S.
2AAO	Maguire, Howard S.	2ACK	MacBride, William D.
	Kollock, Arnett W.	2ACL	Pohlman, Lauren V.
2AAQ	Judson, Joseph E.	2ACM	Segall, Louis M.
2AAR	Kroger, Ernest G.	2ACN	Buchheister, Morris.
2AAS	Brick, Frank K., jr.	2ACO	Rogers, John.
	Reynolds, Palmer W.	2ACP	Olson, Alfred E.
	Trube, Robert L.	2ACQ	Cadmus, Le Roy G.
	Le Tarte, Augustin J.	2ACR	Von Thun, Henry B.
2AAW	Meinecke, Ernest.	ZACS	Maier, John C.
	Goodell, John B.	ZACT	Hendricks, Miles S.
2AAY	Adickes, Ernest D.	2ACU	Richardson, John R.
	Pennell, Vere F.	2ACV	Dunham, John S.
2AB	Hyde, George G.	2ACW	Hattermuller, Theodore.
2ABA	Myers, Austin S.	2ACX	Beeken, William S.
2ABB	Held, William J.	2ACY	Miller, Fred W.
2ABC	Woolcott, James V.	2ACZ	Terhune, Frank.
	Bilms, Charles A.	2AD	Dammers, Albert.
2ABE	Frost, Jacob.	2ADA	Stimpson, Warren E.
2ABF	Crozier, Edward A.	2ADB	Cawman, David L.
2ABG	Runyon, Carman R., jr.	2ADC	Humphreys, Ferdinand.
2ABH	Kavanagh, John.	2ADD	Gelina, C. J.
2ABI	Everitt, William L.	2ADE	Eckler, Harry D.
2ABJ	Shaughnessy, Jack F.	2ADG	Rosa, Harry D.
2ABK	Van Meerbeke, C. J., jr.	2ADH	Escrish, James P.
2ABL	Weigand, Daniel.	2ADI	Mitchell, Clifford E.
2ABM	Magennis, Arthur K.	2ADJ	Schmitt, George P.
2ABN	Trube, Carl E:	2ADL	Hunkins, Carl J.
2ABO	Dodd, H. Hanson.	2ADM	Crosby, Warner N.
	Smith, Robert W.	2ADN	Gutmann, Bernard.
	Lorini, Osmun W.	2ADO	Vrooman, Max M.
2ABS	Mack, Burtis D.	2ADP	Davis, Clarence F.
2ABT	Hulse, L. Mortimer.	2ADQ	Felix, Edgar.
	Walton, Fred E.	2ADŘ	Nightingale, John J.
and u	i wanting riou is.	11 2411710	1 TIPITUIE GIO, BOILLE B.

Amateur Radio Stations—Second District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
2ADS	Laffenandre, Gaston W.	2AFZ	Beaton, John D., jr.
2ADT	Cushman, Charles D., jr.	2AG	Mulford, Harold C.
2ADU	Jakobson, Irving D.	2AGA	Mulford, Harold C. Belsky, Walter.
		2AGB	Marchant, Ralph.
2ADV	Bazensky, Joseph I.	2AGC	Lindgren, Richard N.
2ADW	Homan, Carroll L.	2AGF	Smith, Joscelyn E.
2ADX 2ADY	Vogel, Erwin W.	2AGG	Mayer, Warren J. Taylor, K. Allan.
2ADZ	Cooper, William S. Perkins, William J.	2AGH 2AGI	Grumbacher, Walter.
2AE	Happe, William H.	2AGJ	Hewitt, John K.
2AEA	Pendleton, Archibald F.	2AGK	Lewis, Edward H.
2AEB	Tompkins, George F.	2AGL	Schenone, John.
2AEC	Kleinberger, Richard.	2AGS	Stanton, Walter A.
2AED	Rappolt, Frank A.	2AH	Edelman, Abraham.
2AEE	Starrett, John.	2AI	Eber, John G.
2AEF	Abrams, Milton F., jr.	2AJ	Brenner, Alex.
2AEG	Ziegler, Edward F.	2AK	Ferris, Howard E.
2AEH 2AEI	Edwards, Joseph B.	2AM 2AN	Preiss, Charles E.
2AEJ	Reynolds, Albert S. Pettit, Mortlock S.	240	Sedlak, Conrad J. Jones, Robert O.
2AEK	Brainard, Edward S.	2AP	Unger, Charles F.
2AEL	Tannenbaum, Samuel.	2AQ	Corson, David N.
2AEM	Fishoff, Louis A.	2AŘ	Underhill George H.
2AEN	Saxton, Herbert.	2AS	De Yoe, Willard L.
2A EO	McMonagle, Daniel J.	2AT	Herdin, Rudolph.
2AEP	Touroff, Sigmund.	2AU	Bryan, Chester W.
2AEQ	Kienzle, Henry A.	2AV	Dooley, John J.
2AER	Crinnion, Edward T. J.	2AW	Melville, Richard T.
2AES	Wright, Henry O. Knopf, Richard.	2AX 2AY	Goldhorn, L. B.
2AET 2AEU	Smith, Ralph C.		Gittelbauer, Frederick. Pearl, Eugene S.
2AEV	Strauss, Maurice B.	ZAZ	Touri, Dugene 5.
2AEW	Leyh, William.	2BB	Lounsberry, Isaac R.
2AEX	Paige, John S.	2BC	Kaltenbach, Henry J., jr.
2AEY	Poppele, Jacob, jr.	2BD	Banta, Theodore C.
2AF	Bryant, Marquis V.	2BE	Yerbury, George S., jr.
2AFA	Bodkin, Laurence G.	2BF	Schell, Richard, jr.
2AFB	Berlin, Benjamin.	2BH	Schulte, Carl E.
2AFC	Broggini, Claud.	2BI	Morgan, Waller V.
	Massimo, Albert.	2BJ	Dahms, Herbert.
2AFE 2AFF	Dix, Harold S.	2BK 2BM	Green, Adoniram J. Heermance, Earle
2AFG	Sterns, Morton W. Rattner, Manuel.	2BN	Beebe, L. S
2AFH	Schaeffer, Adolph.	2BO	Schermerhorn, Howard F.
2AFI	Schaefer, Charles.	2BP	Jordan, John Patrick.
2AFJ	Heinsohn, Frederick E.	2BQ	Tischler, Max.
2AFK	Hocmer, Edwin C., jr.	2BŘ	Krech, Karl G.
2AFL	Stevens, Fred.	2BU	Olson, Oscar A.
2AFM	Holmes, George.	2BV	Woodward, Reginald.
2AFN	Decker, Ralph W. E.	2BW	Whitson, John H.
2AFO	Holmes, George.	2BX	Grieshaber, George T.
2AFP	Hershey, Raymond.	2BY	McHugh, John A.
2AFQ	Murray, Stephen A.	2BZ	Lyman, C. Glenn.
2AFR 2AFS	Lehmann, Erich W. G. Patton, Norman F.	2CA	Werner, George J.
2AFT	Oudin, C. Folger.	2CB	Schram, John, jr.
2AFU	Goll, Robert E.	2CC	Roberts, Harold S.
2AFV	Halsey, Edward G., jr.	2CD	Prosser, Roger D.
2AFW	Hornung, Julius L.	2CE	Dain, John W.
2AFX	Smith, Edward J.	2CF	Traflet, Frederick E.
2AFY	Muller, Herbert W.	2CG	Shield, Frederic K.

$\begin{array}{c} \textbf{Amateur Radio Stations-Second District-Alphabetically by Call Signals-Continued.} \end{array}$

Callsignal.	Owner of station.	Call signal.	Owner of station.
	Norten Tanak C	OT: A	Dt.:t. Clause II
2CH	Norton, Joseph G.	2FA	Pfeifer, Clarence H.
2CJ	Bathgate, Walter E. O'Brien, Thomas.	2FC	Decker, Harold A.
2CK	O'Brien, Thomas.	2FD	Spiegel, Walter.
2CL	Brooklyn Telegraph School.	2FE	Cheel, Harold W.
2CM	Zimmerman, Herman, ir.	2FF	Brower, Harold S.
2CN	Dickey, Edward T.	2FG	Tymeson, Sidney.
2CP	Totten, Elmer E.	2FH	Weiss, Jacob.
2ČQ	Hampe, Bernard A.	2FI	Kirkpatrick, Louis W.
2CŘ	Blauvelt, William M.	$\tilde{2}\tilde{F}\tilde{J}$	Helwig, Herman F.
2CT		2FK	
	Bunn, Milo B.		Hamilton, Ralph
2CW	Ham, Frank H.	2FL	Lehmann, August, jr.
2CX	Davison, Walter H., jr.	2FM	Perkins, William P.
2CY	Ferris, Malcolm.	2FN	Roth, August F.
2CZ	Poe, Vergil C.	2FO	Hendrickson, Verner A.
1	_	2FP	Woerner, Chas. A.
2DA	Winn, Arthur H.	2FQ	Hardwick, Ambrose H.
2DB	Zucker, Richard D.	2FS	Stanley, Howard L.
2DD	Fitzgerald, Gordon P.	2FT	Murray, William E.
2DE	Ruttmann, Ferdinand.	$\mathbf{\tilde{z}FU}$	Brooks, L. Van V.
2DG		2FV	
	Higgs, Harry Y.		Kaplan, Louis A.
2DH	Knapp, Samuel.	2FW	MacPherson, Claude V.
	Cyriax, Ernest A.	2FX	Gedney, Ray Van Duyne.
2DJ	Schlitz, Karl W.	2FY	Hartman, Robert.
2DK	Maguire, Nelson.	2FZ	Harris, Charles C.
2DL	Price, Henry S.		
2DM	Sachs, Harold.	2GA	Felsenheld, James D.
2DN	Warner, Herbert M.	2GB	Bartlett, Bernard W.
2DO	Wallace, George D.	2GC	Sonn, Albert E.
2DP	Crocker, Frank H.	$\mathbf{\tilde{2GD}}$	Farquharson, John S.
ZDQ	Schwarzkopf, Irving M.	2GF	
2DS	Clark To Don		Gabrielson, Henry M.
	Clark, Le Roy.	2GG	Dahlgren, Birger A.
2DT	Wandres, Charles T.	2GH	Hardy, Myles.
2DU	Smith, Joseph T.	2GI	Bockelmann, Charles F.
2DW	Hansen, Carl A.	2GJ	Gronemeyer, Edmund G.
2DX	Seyd, Ernest K.	2GK	Pate, W. Schuyler.
2DY	Palmer, Corydon.	2GM	Ballard, J. Adams.
i	•	2GN	Wilson, John A., jr.
2EA	Doty, Walter P.	2GO	Peltier, Paul D.
2EB	Gray, Frank F.	2GP	Rutherford, T. Bruce.
2EC	Thiede, Ferdinand C.	2GQ	Manning, Charles T.
2ED	Lowe, Graham von S.	2GR	Slagel, E. Lester.
ŽEE	Inacha Charles E		
	Jacobs, Charles F. Hurd, Theodore.	2GS	Taylor, George W.
2EF	nurd, Theodore.	2GT	Vegessy, John W.
2EG	Hurd, John B.	2GU	New York Catholic Protectory
2EH	Wilmott, George B.	2GV	Siegmann, Harry E.
2EI	Quick, Henry C.	2GW	Orben, Howard E.
2 EJ	Bechtlofft, Claude B.	2GX	Mason, Samuel F.
2EK	Hoernel, Paul.	2GY	Dietz, Walter.
2EL	Meyer, William E.	2GZ	Plate, Fred W.
2EM	Crosby, Roy C.		,
2EN	Halligan, James W.	2HA	McCoy, Daniel.
	Sabnaidon Alexander		
2EO	Schneider, Alexander. Engelhart, Lawrence.	2HB	Bennett, Russell W.
2EP	Caladian Halant D	2HC	Raque, Carl P.
2EQ	Schedler, Herbert D.	2HD	Underwood, Kenneth C.
2ER	Smith, Loughran S.	2HE	Rock, Leroy W.
ZES	Campbell, Robert, jr.	2HF	Coote, Charles W.
2ET	England, George B.	2HG	Peters, Frank J.
2EU	Droste, George T.	2HH	Dederick, H. C.
		2HI	
	Hamilton, Joseph E.	י נמצוו	ochuck, Unaries II.
2EW 2EX	Hamilton, Joseph E. Jackson, Benjamin B.	2HJ	Schuck, Charles H. Hadden, Weston.

Amateur Radio Stations—Second District—Alphabetically by Call Signals—Continued.

Callsignal.	Owner of station.	Call signal.	Owner of station.
2HL	Huyler, Rollin M.	2KA	Kroener, Christian E.
2HM	McKee, Clarence A.	2KB	Kroener, Christian E. Tyrrell, Randolph E.
2HN	Sands, Walter H.	2KC	Hayes, Frank X. J.
2HO	Lyons, William B.	2KD	Browne, Walram S.
2HP	Mayhew, B. Alan, jr.	2KE	Browne, Walram S. Maloney, Joseph T. Ritchie, Edmond W.
2HQ	Dehler, Adolph.	2KF	Ritchie, Edmond W.
2HS	O'Mara, Edward F.	2KG	Schweitzer, William P.
2HU	Hotchkiss, Grosvenor.	2KH	Solberg, Walter.
2HW	Combes, Rae.	2KI	Solberg, Walter. Uphoff, Leslie S.
2HX	Lane, David M.	2KJ	Cummings, Frank X.
2HY	Muckenhaupt, Carl F.	2KK	Day, Howard B.
2HZ	Youmans, Chester.	2KL	Gregory, Arthur V.
		2KM	Francis, Charles E.
2IA	Royce, Winfred A.	2KN	Collison, Percy B.
2IB	Feeney, Walter.	2KR	Hallenbeck, Charles.
žIČ	Feeney, Walter. Faraon, Adolph J.	2KT	Robertson, Merle E.
2IE	Lemmon, Walter S.	2KU	Oehmen, Oscar.
2IF	Miller, Eugene B.	2KV	Varetoni. Wm.
2IG	Corwin, George E	2KW	Varetoni, Wm. Plummer, James A.
2II	Corwin, George E. Howell, Walter J.	2KX	Kilmer, Theron W.
21K	Jensen, Martin.	2KY	Goodchild Electrical Co.
2IL	McClintock, George C.		Spalding, Kenneth W.
2IM	Spangenberg, Lester.		opulating, from the W.
2IN	Scofield, Robert W.	2LA	Alfaro, Richard F.
210	Scharrenbeck, George H.		Bertine, Edwin K.
2ÎP	Ashmall, William E., jr.	2LC	Roberts, A. Perry
2ÎQ	Elliott, Paul C.		Roberts, A. Perry. Cotter, William F.
2IŘ	Foulke, J. Brion, jr.	2LE	Egolf, Richard S.
2IS	Ricketts, Percy E.	2LF	Bartlett, Charles H.
2IT	Cowles, Charles W.	2I.G	McLaughlin, Frederick L.
2ÎŪ	Rodenbach, John F.		Sayres, Ralph A.
ŽIV	Lindsay, Russell.		Meacham Frederick C ir
2IW	Worth, John B.	$2\tilde{L}\tilde{J}$	Hoagland, Raymond.
2IX	Freeman, Robert J.	2LK	Smith, J. Owen.
2IY	Dugan, Edward W.	2LL	Benedict, Alonzo R.
	Dugue, Danata VI	2LM	Stellman, Alfred.
2JA	Story, Robert K., jr.	2LN	Morrison, Clifford P.
2JC	Hawkins, Ernest W.	2LO	Baker, William N.
2JD	Boeder, Arthur R.	2LP	Green, Raymond J.
2JE	Wendelstadt, Lucius F.	2LQ	Belt, Charles B.
2JF	Frey, Anthony C.		Jablousky, William.
2JG	Tanni nbaum, Harold J.	2LT	Galvin, Lee R.
2JH	Brown, David S., ir.	2LV	Stutz, E. Waldo.
2JI	Brown, David S., jr. Eddy, Leonard E.	2LW	Breen, Thomas J.
2JJ	Landshof, R. W.	2LX	Adelphi College.
2JK	Faraon, Rene J.	2LY	Hoover, Raymond.
2JL	Faraon, Rene J. Mylod, Frank V.	2LZ	Woodrow, William.
2JM	Rigby, Joseph, jr.		, , , , , , , , , , , , , , , , , , , ,
2JN	Freeland, Wilbur W.	2MA	Hasbrouck, Earl.
2JO	Smith, Nelson V.	2MB	Lawrence, George J., jr.
2JP	Smith, Julius J. R.	2MD	Pendleton, Harold A.
2JQ	Manning, Walter B.	2MF	Hoppock, Allen H.
2JŘ	Bruce, Edmond.	2MG	Vaughan, George W., jr.
2JS	Larkin, James S.	2MH	Buchanan, William F.
2JT	Dennis, Frederick F.	2MI	Morris, Earle S.
2JŪ	Goette, C. J.	2MJ	Webb, Frederick F.
2JV	Reich, Herbert J.	2MK	Smith, Daniel W.
ŽĮX	De Cortin, Gustav A.	2ML	Donovan, Etienne S.
2JY	Rupert, S. E. G.	2MM	Apgar, Charles E.
2JZ	Bicak, Edward T.	2MN	Betts, Philander H.
•	,	,	,

Amateur Radio Stations—Second District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
2MO	Ostman, Frederick B.	2PC	Barriette, Samuel L.
2MP	Hopkinson, Russell.	$\mathbf{\bar{2PD}}$	l Schomp, Roy
2MQ	Weber, Ernest A.	2PE	Fritch, Vincent J.
2MŘ	Atwater, Frank G., jr.	2PF	Pope, Frederick B.
2MS	Berri, Herbert.	2PG	Eckstein, William J.
2MT	Moses, Abram W.	2PI	McLoughlin, Robert J.
2MU	Bigelman, Herbert C.	2PJ	Thomas, Alonzo E., jr.
2MV	Bell, Arthur E.	2PN	Berger, H. C. V. B.
2MW	Shafto, J. Robert.	2PO	Mott, Harold.
2MX	Le Gallez, Clayton B.	2PQ	Schwartz, Max B.
2MY	Cohen, Edwin K.	2PŘ	Dynner, Eugene.
2MZ	Ferguson, James B., jr.	2PS	Cohen, Samuel.
		2PT	Traver, William F.
2NA	Dawley, Earle R.	2PU	Lalley, Joseph F.
2ND	Schweizer, Charles L.	2PV	Grebe, Alfred H.
2NE	Lebowitz, Samuel.	2PW	Hellman, Abraham E.
2NF	Homan, Eber J.	2PX	Hamilton, Albert G., jr.
2NG	Hayden, Thomas J.	2PY	Bogardus, Henry L.
2NH	Horn, Charles W.	2PZ	Shaw, Horace S.
2NI	Moles, Charles E.	1	
2NJ	Kennedy, Harold J.	2QB	Blackford, Harold W.
2NK	Palm, J. Adam.	2QC	Ford, Fullerton.
2NL	Bucknam, John R.	2QD	King, Wendell W.
2NM	Sharp, Watkin W.	2QG	Gale, Rowland A.
2NN	Buck, David E.	2QI	Wimpfheimer, Gustave R.
2NO	Merritt, Frank.	2QJ	Eckley, Harold J.
2NP	Koenig, George F.	2QK	Caskey, Kenneth B.
2NQ	Isaacson, Charles B.	2QP	Ward, John R.
2NR	Wohltmann, Henry M.	2QQ	Green, Irving W.
NS	Hoffman, Paul J.	2QS	Bernard, James L.
NT	Bernstein, Arthur W.	2QU 2QX	Osborne, J. Spencer.
NU	Hill, William S.	2QX	Keller, George C.
NV NW	Meder, George C. New York School of Telegra-	2QZ	Meyer, Charles A.
~~ ~	phy.	2RB	Reuman, William H.
2NX	Quinn, Herman M.	2RE	Pacent, L. Gerard.
NY	Austrian, Ralph B.	2RF	Springer, C. Meredith.
NZ	Pfeil, A. Leslie.	2RG	Earle, William P., jr. (Elrae Mfg. & Trading Co.).
OA	Hammond, Lester.	2RH	Reiss, Lester.
OB	Valladares, Frank N.	2RI	Cowper, Norman C.
OC	Erasmus Hall High School.	2RJ	Porter, Charles A. Camp, Victor F.
OD	Debuchy, Edmund A.	2RL	Camp, Victor F.
OE	Raynor, Sinclair L.	2RM	Underhill, Chester R.
OF	Meier, Robert A.	2RO	Dodds, Andrew C.
OG	Meuke, Charles H.	2RP	Sorgens, Walter M.
\mathbf{OH}	Skliar, Joseph.	2RT	Collinson, Jesse G.
OI	Folks, Leslie E.	2RU	Fletcher, Jordon J. Johnson, W. Eugene.
OJ	Horning, Robert H.	2RV	Johnson, W. Eugene.
OL	O'Brien, Laurence J.	2RW	Baily, Hobart W.
ON	Kellow, James C.	2RX	Picken, James C., jr.
OP	Prendergast, Robert M.	2RZ	Veneman, Peter.
OQ	Wade, J. Melmoth.		
OR	Tong, Myron A.	2SB	Sangree, Ernest M.
os	Cohen, Walter.	2SF	Kollock, Alan S.
OT	Urbain, Ferdinand A. Siebert, Walter.	2SG	May, Fred.
o <u>u</u>	Siebert, Walter.	2SK	Murray, Charles. Merrill, J. Stewart.
\mathbf{ox}	Mardon, F. Herbert.	2SL	Merrill, J. Stewart.
$\mathbf{o}\mathbf{v}$	Jones, Frank.	II 2SM	Hatry, William B.

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Amateur Radio Stations—Second District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Callsignal.	Owner of station.
2SO	Johnston, James E.	2VJ	Furman, Robert S.
	Bleivelens, Gerhardt.	2VK	Covert, James D.
2SQ	Kreeft, Raymond A.	2VL	Bond, Arthur M.
2ŠŬ	Schabbehar, Edwin A.	2VM	Brown, Philip T.
2ŠX	Cannon, George C.	2VN	Charles, Chester A.
	,g	2VO	Scholerman, Carl.
2TB	Ford, Everett J.	2VP	Bartsch, Henry W.
2TC	Dickenson, Henry E.	2VQ	Agnoli, Justus J.
$ar{2}ar{T}reve{D}$	Mayer, Arthur C.	2VŘ	Gassaway, Julian L.
2TE	Bentzig, Victor II.	2VS	Decker, Ralph W. E.
2TH	Roy, James A. S.	2VT	Kayser, Herbert.
2TJ	White, Howard E.	2VU	Flandreaux, Cyrus.
2TK	Randolph, Randolph A.	2VV	French, Edward.
2TL	de Forest, Edward L., jr.	2VW	Steinkamp, Harold.
2TN	Dunham, Clarence L.	2VX	McCarthy, George W.
2TP	Bohn, William.	2VY	Diehl, John F.
2TQ	Adams, E. William, jr.	2VZ	Frederick, G. Bentley.
2TV	Glenn, George.		1
2TY	Lane, George.	2WA	Keers, John K.
2TZ	Collins, Frank J.	2WB	Fogetti, Howard J.
	•	2WC	Pollock, J. Millard.
2UF	Evens, Arthur F.	2WD	Lasher, Charles E.
2UJ	Innes, Richard C.	2WE	Heydon, Albert R.
2UM	Poling, Russell H.	2WF	Nolan, Frank J.
2UN	Graham, Malcolm.	2WG	Lemkie, Harry A.
2UO	Heyer, Benjamin W.	2WH	Pearsall, Arthur R.
2UP	Gannon, J. Kimball.	2WI	Anderson, Robert N.
$2\mathbf{UQ}$	Hallett, E. Douglas.	2WJ	Pflomm, George M.
2UR $ $	Arany, Leo.	2WK	Caggiano, Carmine J.
2US	Allstrom, F. Condit.	2WL	Ryan, Lester F.
2UU	Vanderbilt, Clinton B.	2WM	Fowler, Jack B.
2UX	Phelan, Charles W.	2WN	Beller, William A. G.
2UZ	Stewart, G. Edwin.	2WP	Spannaus, Charles O.
0370	T-1 (Mb1:1 #	2WQ	Willetts, Gilson V.
2VC	Johnson, Theophilus, jr.	2WS	Francis, Leo A.
2VD	Bruell, Joseph P.	2WT	Poole, William C.
2VE	Robertson, Gus.	2WU	Moore, H. Atherton.
2VF	Koch, Edward.	2WW	Blackburn, Walter G.
2VG	Ahrens, Harry E.	2WX	Ritter, Irving W.
2VI	Loub, Arthur F.	2WY	MacLeod, Myron R.

THIRD DISTRICT.

[Headquarters: Customhouse, Baltimore, Md. The third district comprises the States of New Jersey (all counties not included in second district), Pennsylvania (counties of Philadelphia, Delaware, all counties south of the Blue Mountains, and Franklin County), Delaware Maryland, Virginia, and the District of Columbia.]

ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power.
3PC 3FZ 3QK 3CA 3ET 3WJ 3BM 3BD	Adams, Leslie H	417 Landis Ave., Vineland, N. J. 163 W. Thompson St., Philadelphia, Pa. 828 Landis Ave., Vineland, N. J. W. Wayne Ave., Wayne, Pa. 5018 Irving St., Philadelphia, Pa. 124 Bryant St. NW., Washington, D. C. Bernardville, N. J. Haverford, Pa.	1,000 1,000 180 18 312

Call signal.	Owner of station.	Location of station.	Power.
aOD.	Andaman Dandariah I	rog Lincoln St. Donling Dr	Watts.
3QD	Andersen, Frederick J	735 Lincoln St., Reading, Pa.	550
3SR	Anderson, John A	612 Cherry St., Camden, N. J.	18
3LJ	Anderson, Joseph L	Texas, Md. 22d and Morris Sts., Philadelphia, Pa. 2711 Girard Ave., Philadelphia, Pa. 56 V St. NW. Washington D.	60
3TQ	Andrews, Edward C	22d and Morris Sts., Philadelphia, Pa	300
3JF	Apfelbaum, Martin	2711 Girard Ave., Philadelphia, Pa	42
3AX	Arner, Oscar Q	ou v bt. Iv w., washington, D. C	24
3AA 3CN	Ashmore, John W	3408 Hamilton St., Philadelphia, Pa	16
3PI	Ashton, Leon W	106 Washington Ave., Collingswood, N. J.	30 18
3GC	Atlee, Franklin	2039 Pine St., Philadelphia, Pa	70
3AFI	Bach, Earl C Backe, Louis M., jr	926 N. 4th St., Allentown, Pa Sea Isle City, N. J	440
3GZ	Backe, Louis M., jr	1211 Ridge Ave., Philadelphia, Pa	440
3BV	Bacon, Franklin F	101 Mansion Ave., Haddonfield, N. J	300
3MU	Baily, William J., jr	5417 Addison St., Philadelphia, Pa	128
3CS	Baker, Harold Z	134 N. Church St., Waynesboro, Pa	550
3FL	Ballentine, Charles S	4810 Germantown Ave., Philadelphia, Pa.	50
3MX	Barker, Thomas H., jr	Gladwyne, Pa	11
3SW	Barnard, Julian W	Bryn Mawr, Pa.	1,000
3MS	Barnhart, Lawrence W.	1637 N. 6th St., Harrisburg, Pa	40
3KN	Barr, Richard H	602 W. Chestnut St., Lancaster, Pa.	440
3RZ	Barrett, Montague W	222 Dartmouth St., Norfolk, Va	500
3SY	Barretta Valroy S	518 Elmer St., Vineland, N. J.	440
3WY	Basford, Robert F	5308 Haverford Ave., Philadelphia, Pa	18
3PE	Bassett, William W	205 Mohawk St., Norwood, Pa	18
3AEK	Baughman, George E	317 Fairfax Ave., Norfolk, Va	220
3AJ	Bausman, George H.	1246 N. Broadway, Baltimore, Md	75
3SK	Baxley, C. Herbert	1126 W. North Ave., Baltimore, Md	50
3VM	Baynes, Ralph J	1126 W. North Ave., Baltimore, Md 812 Vandever Ave., Wilmington, Del	36
3BL	Beach, Harry L	3711 M St. NW., Washington, D. C.	48
3AIR	Beaumont, Robert H	7432 Devon St., Philadelphia, Pa	36
3WS	Beaumont, Robert H.,	Atlantic City, N. J	1,000
3AAV	Bechler, William C., jr	1443 S. 3d St., Philadelphia, Pa	12
3AGI	Beck, Rodney M	4833 Pulaski Ave., Philadelphia, Pa 2015 N. 17th St., Philadelphia, Pa	15
3WA	Beck, Russell G	2015 N. 17th St., Philadelphia, Pa	15
3WV	Becker, Frank F	2118 N. 5th St., Philadelphia, Pa	14
3JS	Beekley, Francis C	116 N. Lemon St., Media, Pa	485
3NL	Behm, L. F. F Beidelman, Harry A	1519 Poplar Grove St., Baltimore, Md	250
SAEF		840 Elm St., Camden, N. J.	18
3NI	Bell, Albert A., jr	8 Catalpha Ave., Hamilton, Md	550
3AIH	Bennum, George W., jr	Georgetown, Del.	12
3JQ 3VY	Benson, Thomas W	2808 W. Lawrence St., Philadelphia, Pa.	48 24
3DC	Beresford, Rees H	5023 Walnut St., Philadelphia, Pa	510
3PY	Bergen, Donald M	920 Riverside Ave., Trenton, N. J Lansdale, Pa	770
3JJ	Bergey, H. Leon	1310 W. Alleghany Ave., Philadelphia, Pa	18
3WW	Bergmann, Frederick J	440 Diamond St., Philadelphia, Pa	18
3DE	Bernert, Joseph, jr Bernert, Joseph, jr	Philadelphia, Pa. (portable station)	24
3ADG	Bernhard, John S	722½ N. Penn St., Allentown, Pa	10
3VL	Bernstein, Abe R	621 Queen St., Norfolk, Va	385
3MO	Bickel, E. Clifton	758 High St., Pottstown, Pa	1,000
3CC	Biddle, Howard L., jr	319 Hillside Ave., Jenkintown, Pa	12
3HW	Bidwell, George L	1245 Evarts St. NE., Washington, D. C.	48
SNH	Bierfreund, Max A	517 Penn St., Camden, N. J.	350
3LQ	Birch, Stanford S	45 Washington Ave., Collingswood, N. J.	100
3RP	Blackwood, George C	5346 Wayne Ave., Philadelphia	120
3AAI	Blake, John M	2506 Maryland Ave., Baltimore, Md	300
3TV	Blanford, Irving	922 North St., Portsmouth, Va	330
3GN	Board of Public Educa-	Lehigh Ave. and 8th St., Philadelphia,	490
	tion.	Pa.	
3FX	Bonsall, Thomas F	213 Chester Ave., Glenolden, Pa	18

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
38N	Bourgeois, Edmund R	901 Central Ave., Ocean City, N. J	550
3TL_	Bowes, Joseph J	2647 Agate St., Philadelphia, Pa	30
3AIX	Bowman, Christian M	150 E. Chestnut St., Lancaster, Pa	265
3RG	Bowman, Philip W	202 E. Montgomery St., Baltimore, Md	10
BHJ	Bradley, Horace E	315 V St. NE., Washington, D. C	36
380	Bradshaw, R. B	239 Chestnut St., Haddonfield, N. J	12
BBO	Brady, John B	Somerset, Md	330
BUZ	Braidwood, Thomas W	Anglesea, N. J.	48
BNZ	Branin, Manlif L	4516 Pacific Ave., Wildwood, N. J.	18
BEV	Brannan, Julian L	2632 Guilford Ave., Baltimore, Md	100
	Brany, Emil B	441 Goepp St., Bethlehem, Pa	1,000
BEA	Brashears, Paul B	Hunter, Va.	72
3VE	Brenner, Samuel	5025 Walnut St., Philadelphia, Pa	30
3AGM	Breuil, James F	209 Rutgers St., Swarthmore, Pa	36
3TP	Brittingham, Otis B	1038 North St., Portsmouth, Va	16
3JW 3JH	Brookman Francis C	2723 Guilford Ave., Baltimore, Md	18 770
3DF	Brockman, Francis C	3 N. Main St., Nazareth, Pa	1 18
SAHS	Brockway, Ladue M Brown, Edwin H	154 Bickley Ave., Glenside, Pa 125 State St., Harrisburg, Pa	450
BAAF	Brudenell, Norman	2122 W Pacific St Philadalphia Pa	24
3AGO	Brunhouse, Jacob S	2123 W. Pacific St., Philadelphia, Pa 431 W. York Ave., York, Pa	550
GF BGF	Bryce, Stanley C	1626 N. 13th St., Philadelphia, Pa	250
BK	Bryce, Stanley C	Seaside Park, N. J.	250
30Q	Bryson, Harold E	Laurel Springs, N. J.	330
SCP	Bunting, George M., jr	315 E. Broad St., Chester, Pa	500
ŠPV	Bunting, Theodore R	4202 Granby St., Norfolk, Va	440
ŝĴI	Burdette, Aubrey W	Adam St., Rockville, Md	1,000
NW	Burke, Thomas J	1750 S. Mole St., Philadelphia, Pa	3:
SSM	Burnett, A. Elmo	418 N. 23d St., Richmond, Va	1
3UW	Call, J. Richard	114 Walnut St., Haddonfield, N. J	27
3QI	Cameron, Lloyd W	728 Richey Ave., West Collingswood, N. J.	1
BŬJ	Campbell, James D	214 Wyncote Rd., Jenkintown, Pa	250
BCO	Campbell, James S	1700 S. 60th St., Philadelphia, Pa	78
BBW	Campbell, John W	1209 N. 25th St., Philadelphia, Pa	30
BAHA	Carlisle, John F	1015 10th Ave., Moore, Pa	1:
BUN	Carpenter, C. Ellwood, jr.	Ocean City, N. J	400
BX	Carpenter, C. Ellwood, jr.	7417 Sprague St., Philadelphia, Pa	250
3QQ_	Cassady, Park H	Hershey, Pa	550
BAIW	Chadwick, Herbert E	164 Lismore Ave., Glenside, Pa	27
SKO	Chalmers, Edwin L	125 Burk Ave., Wildwood, N. J	36
SIM	Chambers, Joseph D	605 Lafayette St., Cape May, N. J	12
SFM	Channell, John W	5213 Germantown Ave., Philadelphia, Pa.	24
BST	Chappell, Ralph R	2112 E. Clay St., Richmond, Va	30
BAHP	Chesser, Page P. A.	Georgetown, Del	20
BUT	Clark Edwin	1217 Morris St., Philadelphia, Pa	45
BBG	Clark, Edwin T	1244 Fitzgerald St., Philadelphia, Pa	12
BFQ	Clark, William R	38 N. Paxon St., Philadelphia, Pa	20
BAAH	Clayton, Davis J	Crosswicks, N. J.	36
BWM	Cloman, William E	19 Kossuth St., Baltimore, Md	36
BUR	Cohan, William W	611 Lombard St., Philadelphia, Pa	24
BMP BCL	Coloman Walter V	600 S. 2d St., Philadelphia, Pa.	250
BCL BAO	Colling Wilbur H	2245 N. 15th St., Philadelphia, Pa	30
BOZ	Collier, Wilbur H Collins, Benjamin W	820 W. Fayette St., Baltimore, Md	330
BAB	Conklin, Ira L	513 Ogden Ave., Swarthmore, Pa 3533 N. 21st St., Philadelphia, Pa	550
BCI	Cook, Howell E		
BADO	Coombs, John S.	Seaside House, Atlantic City, N. J	200 300
3LR	Cooper, William F	Bethesda, Md	250
BQT	Corderman, Roy C.	R. F. D. No. 6, Hagerstown, Md	250
Š ŇP	Cox, T. Newell.		

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

abe Critchlow, P. Davey. 2632 N. 17th St., Philadelphia, Pa. 2632 N. 17th St., Philadelphia, Pa. 30R Crothers, Harry W. 3033 Susquehanna Ave., Philadelphia, Pa. 30J Crowley, Robert H. 23 N. Dewy St., Philadelphia, Pa. 30G Dalling, Howard. 2942 High St., Camden, N. J. 31FB Davis, Edwin L. 3812 8th St. NW., Washington, D. C. 31WL Davis, Raymond. 1416 Perry Place NW., Washington, D. C. 31UG Dearben, Rowland R., 3d de Hegh, Claude S. 232 N. Harrison St., Wilmington, D. C. 13UG Deerhen, Rowland R., 3d de Hegh, Claude S. 232 N. Harrison St., Wilmington, D. C. 13FF Deichmann, George L., ir Park Heights Ave., Baltimore, Md. 323 S. Carey St., Baltimore, Md. 323 S. Carey St., Baltimore, Md. 323 S. Carey St., Baltimore, Md. 323 S. Carey St., Baltimore, Md. 323 S. Carey St., Baltimore, Md. 323 S. Carey St., Baltimore, Md. 324 Perry Place NW. Norwood, Pa. 1724 Arch St., Philadelphia, Pa. 1724 Arch St., Philadelphia, Pa. 1724 Arch St., Philadelphia, Pa. 1724 Arch St., Philadelphia, Pa. 1724 Arch St., Philadelphia, Pa. 1724 Arch St., Philadelphia, Pa. 1724 Arch St., Philadelphia, Pa. 1724 Arch St., Philadelphia, Pa. 1724 Arch St., Philadelphia, Pa. 1724 Arch St., Philadelphia, Pa. 1724 Arch St., Philadelphia, Pa. 1724 Arch St., Philadelphia, Pa. 1724 Arch St., Philadelphia, Pa. 1724 Arch St., Philadelphia, Pa. 1724 Arch St., Philadelphia, Pa. 1724 Arch St., Philadelphia, Pa. 1724 Nownes, Marlboro K. 1724 Nownes, Marlboro K. 1725 Nownes,	Callsignal.	Owner of station.	Location of station.	Power.
3BR Crofl, Robert S. 30 S. West St., Allentown, Pa. Croll, Robert S. 30 S. West St., Allentown, Pa. Croll, Robert S. 30 S. West St., Allentown, Pa. 23 V. Devey St., Philadelphia, Pa. 23 V. Devey St., Philadelphia, Pa. 242 High St., Camden, N. J. 242 High St., Camden, N. J. 242 High St., Camden, N. J. 244 High St., Camden, N. J. 245 High St., Camden, N. J. 247 High St., Camden, N. J. 247 High St., Camden, N. J. 247 High St., Camden, N. J. 248 High	o TMS	C T CI-1	H	Watts.
3NR Crolters, Rarry W. 303 Susquehanna Ave., Philadelphia, Pa. 303 Susquehanna Ave., Philadelphia, Pa. 303 Susquehanna Ave., Philadelphia, Pa. 303 Susquehanna Ave., Philadelphia, Pa. 303 Susquehanna Ave., Philadelphia, Pa. 303 Susquehanna Ave., Philadelphia, Pa. 303 Susquehanna Ave., Philadelphia, Pa. 304 Darby, George B., jr. 1818 Ave., Bala, Pa. 304 Darby, George B., jr. 1818 Ave., Bala, Pa. 304 Davis, Raymond. 1416 Perry Place NW., Washington, D. C. 1810 Dearben, Rowland R., 3d 14th St. NW., Washington, D. C. 1810 Dearben, Rowland R., 3d 14th St. and 69th Ave., Philadelphia, Pa. 232 N. Harrison St., Wilmington, Del. 232 N. Harrison St., Wilmington, D. C. 1812 Delbert, Simon, jr. 1724 Arch St., Philadelphia, Pa. 232 N. Harrison St., Wilmington, Del. 232 N. Harrison St., Wilmington, Del. 232 N. Harrison St., Wilmington, Del. 232 N. Harrison St., Wilmington, Del. 232 N. Harrison St., Wilmington, Del. 232 N. Harrison St., Wilmington, Del. 232 N. Harrison St., Wilmington, Del. 232 N. Harrison St., Wilmington, Del. 232 N. Harrison St., Wilmington, Del. 232 N. Harrison St., Wilmington, Del. 232 N. Harrison St., Wilmington, Del. 232 N. Harrison St., Wilmington, Del. 232 N. Harrison St., Wilmington, Del. 232 N. Harrison St., Wilmington, Del. 232 N. Harrison St., Wilmington, Del. 232 N. Harrison St., Wilmington, Del. 232 N. Harrison St., Wilmington, Del. 232 N. Harrison St., Wilmington, Del. 232 N. Harrison St., Baltimore, Md. 234 N. Doughay, D. Roland. 43 S. Congress Ave., Atlantic City, N. J. 234 Doughty, William R. 218 E. Park Ave., Haddonfield, N. J. 344 Doughay, Drank M. Son, Marboro K. 3916 Market St., Philadelphia, Pa. 345 Doughay, Dr., Dr., William St., Somerville, N. J. 345 Doughay, Dr., Bancord Park, Baltimore, Md. 348 Dourham Wilson N. 4618 Spruce St., Philadelphia, Pa. 347 Doughay, Dr., Dr., Son, Son, Son, Son, Son, Son, Son, Son		Creager, E. Clark	Haverford, Pa	33
38R Crothers, Harry W. 3033 Susquehanna Ave., Philadelphia, Pa. 23 N. Dewey St., Philadelphia, Pa. 23 N. Dewey St., Philadelphia, Pa. 23 N. Dewey St., Philadelphia, Pa. 23 N. Dewey St., Philadelphia, Pa. 23 N. Dewey St., Philadelphia, Pa. 23 N. Dewey St., Philadelphia, Pa. 23 N. Dewey St., Philadelphia, Pa. 23 N. Davis, Edwin L. 38 L2 8th St. NW., Washington, D. C. 10 Davis, Raymond. 1416 Perry Place NW., Washington, D. C. 10 Dearben, Rowland R., 3d 11th St. and 69th Ave., Philadelphia, Pa. 34 L2 N. Harrison St., Wilmington, Del. 34 L2 N. Harrison St., Philadelphia, Pa. 34 L2 N. Harrison St., Philadelphia, Pa. 34 L2 N. Harrison St., Philadelphia, Pa. 34 L2 N. Harrison St., Philadelphia, Pa. 34 L2 N. Harrison St., Philadelphia, Pa. 34 L2 N. Harrison St., Philadelphia, Pa. 34 L2 N. Harrison St., Philadelphia, Pa. 34 L2 N. Harrison St., Philadelphia, Pa. 34 L2 N. Harrison St., Philadelphia, Pa. 34 L2 N. Harrison St.		Critchlow, P. Davey		24
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Joughty, D. Roland. Joughty, William R. Joughty, Dand, Md.		Dimling, Rudolph G. A.		330
Joughty, William R. Jouglas, George S. Jouglas, George S. Joulany, Franklin R. Jullany, phia, Pa. Jullany, Franklin R. Jullany, Franklin R. Jullankeris R., Philadelphia, Pa.		Doughty, D. Roland	43 S. Congress Ave., Atlantic City, N. J.	24
3MA Downes, Marlboro K. 1002 E. Broad St., Richmond, Va. 1931 N. Uber St., Philadelphia, Pa. 3916 Market St., Philadelphia, Pa. 3916 Market St., Philadelphia, Pa. 3916 Market St., Philadelphia, Pa. 3916 Market St., Philadelphia, Pa. 3016 Market St., Philadelphia, Pa. 3016 Market St., Philadelphia, Pa. 3016 Market St., Philadelphia, Pa. 3016 Market St., Merchantville, N. J. 3016 Market St., Philadelphia, Pa. 3016 Market St., Philadelphia, Pa. 3016 Market St., Wilmington, Del. 3016 Market St., Philadelphia, Pa. 3016 Market St., Philadelphia, Pa. 3016 Market St., Philadelphia, Pa. 3016 Market St., Philadelphia, Pa. 3016 Market St., Wilmington, Del. 3016 Market St., Philadelphia, Pa. 3016 Market St., Philadelphia, Pa. 3016 Market St., Philadelphia, Pa. 3016 Market St., Philadelphia, Pa. 3016 Market St., Philadelphia, Pa. 3016 Market St., Philadelphia, Pa. 3016 Market St., Philadelphia, Pa. 3016 Market St., Philadelphia, Pa. 3016 Market St., Philade		Doughty, William R	218 E. Park Ave., Haddonfield, N. J	36
3LN Dudley, De Witt C. 3916 Market St., Philadelphia, Pa. 3916 Market St., Philadelphia, Pa. 5 W. Walnut Ave., Merchantville, N. J. 5 W		Douglas, George S	31 Prospect St., Cumberland, Md	330
Jundar, Lewis T. R. F. D. No. 1, Bristol, Pa. Junn, John M. 30 Union St., Salem, N. J. Juth and Market Sts., Wilmington, Del. Juth and Market Sts., Wilmington, Del. Juth and Market Sts., Wilmington, Del. Juth and Market Sts., Wilmington, Del. Juth and Market Sts., Wilmington, Del. Juth and Market Sts., Wilmington, Del. Juth and Market Sts., Wilmington, Del. Juth and Market Sts., Wilmington, Del. Juth and Market Sts., Philadelphia, Pa. Juth and Market Sts., Philadelphia, Pa. Juth and Market Sts., Philadelphia, Pa. Juth and Market Sts., Philadelphia, Pa. Juth and Market Sts., Philadelphia, Pa. Juth and Market Sts., Philadelphia, Pa. Juth and Market Sts., Philadelphia, Pa. Juth and Market Sts., Wilmington, Del. Ju	Carlotte Co.	Downes, Marlboro K	1002 E. Broad St., Richmond, Va.	40
Jundar, Lewis T. R. F. D. No. 1, Bristol, Pa. Junn, John M. 30 Union St., Salem, N. J. Juth and Market Sts., Wilmington, Del. Juth and Market Sts., Wilmington, Del. Juth and Market Sts., Wilmington, Del. Juth and Market Sts., Wilmington, Del. Juth and Market Sts., Wilmington, Del. Juth and Market Sts., Wilmington, Del. Juth and Market Sts., Wilmington, Del. Juth and Market Sts., Wilmington, Del. Juth and Market Sts., Philadelphia, Pa. Juth and Market Sts., Philadelphia, Pa. Juth and Market Sts., Philadelphia, Pa. Juth and Market Sts., Philadelphia, Pa. Juth and Market Sts., Philadelphia, Pa. Juth and Market Sts., Philadelphia, Pa. Juth and Market Sts., Philadelphia, Pa. Juth and Market Sts., Wilmington, Del. Ju			1931 N. Uber St., Philadelphia, Pa	990
Jundar, Lewis T. R. F. D. No. 1, Bristol, Pa. Junn, John M. 30 Union St., Salem, N. J. Juth and Market Sts., Wilmington, Del. Juth and Market Sts., Wilmington, Del. Juth and Market Sts., Wilmington, Del. Juth and Market Sts., Wilmington, Del. Juth and Market Sts., Wilmington, Del. Juth and Market Sts., Wilmington, Del. Juth and Market Sts., Wilmington, Del. Juth and Market Sts., Wilmington, Del. Juth and Market Sts., Philadelphia, Pa. Juth and Market Sts., Philadelphia, Pa. Juth and Market Sts., Philadelphia, Pa. Juth and Market Sts., Philadelphia, Pa. Juth and Market Sts., Philadelphia, Pa. Juth and Market Sts., Philadelphia, Pa. Juth and Market Sts., Philadelphia, Pa. Juth and Market Sts., Wilmington, Del. Ju			3916 Market St., Philadelphia, Pa	30
Jundar, Lewis T. R. F. D. No. 1, Bristol, Pa. Junn, John M. 30 Union St., Salem, N. J. Juth and Market Sts., Wilmington, Del. Juth and Market Sts., Wilmington, Del. Juth and Market Sts., Wilmington, Del. Juth and Market Sts., Wilmington, Del. Juth and Market Sts., Wilmington, Del. Juth and Market Sts., Wilmington, Del. Juth and Market Sts., Wilmington, Del. Juth and Market Sts., Wilmington, Del. Juth and Market Sts., Philadelphia, Pa. Juth and Market Sts., Philadelphia, Pa. Juth and Market Sts., Philadelphia, Pa. Juth and Market Sts., Philadelphia, Pa. Juth and Market Sts., Philadelphia, Pa. Juth and Market Sts., Philadelphia, Pa. Juth and Market Sts., Philadelphia, Pa. Juth and Market Sts., Wilmington, Del. Ju		Dulany, Franklin R	5 W. Walnut Ave., Merchantville, N. J	220
du Pont de Nemours Powder Co. 3UM Durham, Edmund B 3AK Duvall, Edward B 3AK Duvall, Edward B 3CB Eberly, Jacob A., jr 3CB Ecton, Albert F 3CB Edwards, Charles 3CB Egna, John E 3CB Egn, John E 3CB ELI du Pont de Nemours Powder Co. 3CB Edwards, Charles 3345 Ella St., Philadelphia, Pa. 3125 N. Tth St. SW., Washington, D. C. 3CB Edwards, Charles 3345 Ella St., Philadelphia, Pa. 3125 N. Tth St., Philadelphia, Pa. 3125 N. Tth St., Sel, Washington, D. C. 3CB SCB SCB SCIO, McIll Pa. 3CB SCB SCIO, McIll Pa. 3CB SCB SCIO, N. J. 3CB SCB SCIO, N. J. 3CB SCB SCIO, N. J. 3CB SCB SCIO, N. J. 3CB SCB SCIO, N. J. 3CB SCB SCIO, N. J. 3CB SCB SCIO, N. J. 3CB			R. F. D. No. I, Bristol, Pa	36
Powder Co. Durham, Edmund B. 85 South St., Somerville, N. J 3VA Durham Wilson N. 4618 Spruce St., Philadelphia, Pa. 20 E. Madison St., Baltimore, Md. 20 E. Madison St., Baltimore, Md. 2610 Columbia Ave., Philadelphia, Pa. 2601 Columbia Ave., Philadelphia, Pa. 2611 Columbia Ave., Philadelphia, Pa. 2611 St., Philadelphia, Pa. 2612 F. Thiladelphia, Pa. 2612 F. Thiladelphia, Pa. 2612 F. Thiladelphia, Pa. 2612 F. L. du Pont de Nemours Powder Co. 2614 E. L. du Pont de Nemours Powder Co. 2615 E. L. du Pont de Nemours Powder Co. 2616 E. L. du Pont de Nemours Powder Co. 2617 F. L. du Pont de Nemours Powder Co. 2618 E. L. du Pont de Nemours Powder Co. 2619 E. L. du Pont de Nemours Powder C			30 Union St., Salem, N. J.	373
Durham, Edmund B. S5 South St., Somerville, N. J. 4618 Spruce St., Philadelphia, Pa. 20 E. Madison St., Baltimore, Md. 2610 Columbia Ave., Philadelphia, Pa. 2601 Columbia Ave., Philadelphia, Pa. 2601 Columbia Ave., Philadelphia, Pa. 2601 Columbia Ave., Philadelphia, Pa. 2601 St., Philadelphia, Pa. 2601 St., Philadelphia, Pa. 2601 St., Philadelphia, Pa. 2601 St., Philadelphia, Pa. 2601 St., Philadelphia, Pa. 2601 St., Philadelphia, Pa. 2601 St., Philadelphia, Pa. 2601 St., Philadelphia, Pa. 2601 St., Philadelphia, Pa. 2602 St., Philadelphia, Pa. 2602 St., Philadelphia, Pa. 2602 St., Philadelphia, Pa. 2602 St., Philadelphia, Pa. 2602 St., Philadelphia, Pa. 2602 St., Philadelphia, Pa. 2602 St., Philadelphia, Pa. 2602 St., Philadelphia, Pa. 2602 St., Philadelphia, Pa. 2602 St., Philadelphia, Pa. 2602 St., Philadelphia, Pa. 2602 St., Philadelphia, Pa. 2602 St., Philadelphia, Pa. 2602 St., Philadelphia, Pa. 2604 N. 15th St	5F U		10th and Market Sts., Wilmington, Del	448
Durham Wilson N. 4618 Spruce St., Philadelphia, Pa. Duvall, Edward B. 20 E. Madison St., Baltimore, Md. Eberly, Jacob A., jr. 2601 Columbia Ave., Philadelphia, Pa. Str. Ebert, Burton E. Shiloh, N. J. Ecton, Albert F. 822½ 7th St. SW., Washington, D. C. Edson, Howard D. 1505 N. Gratz St., Philadelphia, Pa. Egan, John E. 1332 N. Merrine St., Philadelphia, Pa. Egner, John. 3125 N. 7th St., Philadelphia, Pa. Eller, George O. 717 7th St. SE., Washington, D. C. Ellis, J. Elton. 1929 Hoffman St., Philadelphia, Pa. Ellis, William G. 2204 N. 15th St., Philadelphia, Pa. Ellis, William G. 220	DITM		Of Court Ct Companyille N T	20
AK Duvall, Edward B. 20 E. Madison St., Baltimore, Md. 21C Eberly, Jacob A., jr. 2601 Columbia Ave., Philadelphia, Pa. 22St, Philadelphia, Pa. 22St, Philadelphia, Pa. 22St, Philadelphia, Pa. 23St, P		Durham, Edillund B	4610 Cryman St. Dhiladalphia Da	30
Stepert, Burton E. Shiloh, N. J. Stepert, Burton E. Shiloh, N. J. Stepert, Burton E. Shiloh, N. J. Stepert, Burton E. Shiloh, N. J. Stepert, Burton E. Shiloh, N. J. Stepert, Burton E. Shiloh, N. J. Stepert, Burton E. Stepert, Philadelphia, Pa. Stepert, John E. Stepert, John Stepert, John Stepert, Stepert, John Stepert,		Durrell Edward B	20 F Madison St Politimore Md	$\frac{60}{250}$
STF Ebert, Burton E. Shiloh, N. J. Ecton, Albert F. 822½ 7th St. SW., Washington, D. C. Edson, Howard D. 1505 N. Gratz St., Philadelphia, Pa. Edwards, Charles. 3345 Ella St., Philadelphia, Pa. BN Egan, John E. 1332 N. Merrine St., Philadelphia, Pa. Egner, John. 3125 N. 7th St., Philadelphia, Pa. BYI Egner, John. 10th and Market Sts., Wilmington, Del. BYI Eller, George O. 7116 Glenwood St., Philadelphia, Pa. Eller, George O. 717 7th St. SE., Washington, D. C. Ellis, J. Elton. 1929 Hoffman St., Philadelphia, Pa. Ellis, William G. 2204 N. 15th St., Philadelphia, Pa. Elly, Harry S. 215 S. Washington St., Baltimore, Md. Eyster, James A. 317 Washington Ave., Haddonfield, N. J. EAAU Failstich, Chester W. 1535 Clifton St., Baltimore, Md. Faries, Walter R. Llankerris Rd., Bala, Pa. Faust, Elmer J. 728 Hamilton St., Allentown, Pa.				250
Ecton, Albert F. 822½ 7th St. SW., Washington, D. C. 1505 N. Gratz St., Philadelphia, Pa. 3345 Ella St., Philadelphia, Pa. 1332 N. Merrine St., Philadelphia, Pa. 1332 N. Merrine St., Philadelphia, Pa. 1332 N. Th St., Philadelphia, Pa. 10th and Market Sts., Wilmington, Del. 10th and Market Sts., Wilmington, Del. 10th and Market Sts., Wilmington, Del. 11th Glenwood St., Philadelphia, Pa. 11th Glenwood St., Philadelph		Ebert Burton E		28
Edson, Howard D. 1505 N. Gratz St., Philadelphia, Pa. 3345 Ella St., Philadelphia, Pa. 3345 Ella St., Philadelphia, Pa. 3345 Ella St., Philadelphia, Pa. 3125 N. 7th St., Philadelphia, Pa. 3125 N. 7th St., Philadelphia, Pa. 3125 N. 7th St., Philadelphia, Pa. 3125 N. 7th St., Philadelphia, Pa. 3125 N. 7th St., Philadelphia, Pa. 3125 N. 7th St., Philadelphia, Pa. 3125 N. 7th St., Philadelphia, Pa. 3125 N. 7th St., Philadelphia, Pa. 3125 N. 7th St., Philadelphia, Pa. 3125 N. 3th St., Philadelphia, Pa. 3125 N. 3th St., Philadelphia, Pa. 3125 N. 3th St., Philadelphia, Pa. 3125 N. 3th St., Philadelphia, Pa. 3125 N. 3th St., Philadelphia, Pa. 3125 N. 3th St., Philadelphia, Pa. 3125 N. 3th St., Philadelphia, Pa. 3125 N. 3th St., Philadelphia, Pa. 3125 N. 3th St., Philadelphia, Pa. 3125 N. 3th St., Philadelphia, Pa. 3125 N. 3th St., Philadelphia, Pa. 3125 N. 3th St., Philadelphia, Pa. 3125 N. 3th St., Philadelphia, Pa. 3125 N. 3th St., Philadelphia, Pa. 3125 N. 3th St., Philadelphia, Pa.				45
Edwards, Charles		Edson, Howard D	1505 N. Gratz St., Philadelphia, Pa	210
Egan, John E				120
Egner, John			1332 N. Merrine St., Philadelphia, Pa	27
E. I. du Pont de Nemours Powder Co. Eisele, Edward, jr	BVI		3125 N. 7th St., Philadelphia, Pa	40
Eisele, Edward, jr	FO	E. I. du Pont de Ne-	10th and Market Sts., Wilmington, Del	448
BBQ Eller, George O. 717 7th St. SE., Washington, D. C. BLU Ellis, J. Elton. 1929 Hoffman St., Philadelphia, Pa. 1924 N. 15th St., Philadelphia, Pa. 224 N. 15th St., Philadelphia, Pa. 215 S. Washington St., Baltimore, Md. 215 S. Washington Ave., Haddonfield, N. J. Falkenburg, August E. 512 Franklin Ter., Baltimore, Md. 215 Faries, Walter R. Llankerris Rd., Bala, Pa. 215 Clifton St., Baltimore, Md. 215 Clifton S				
Ellis, J. Elton				66
Ely, Harry S			717 7th St. SE., Washington, D. C	36
Ely, Harry S		Ellis, J. Elton	1929 Hoffman St., Philadelphia, Pa	24
Eyster, James A		Ellis, William G		1,000
Falkenburg, August E. 512 Franklin Ter., Baltimore, Md. Faries, Walter R. Llankerris Rd., Bala, Pa. Lankerris Rd., Bala, Pa. List, Chester W. 1535 Clifton St., Baltimore, Md. Faunce, B. Warren. 26 Bala Ave., Bala, Pa. Faust, Elmer J. 728 Hamilton St., Allentown, Pa.			215 S. Washington St., Baltimore, Md	275
HAAU Faries, Walter R. Llankerris Rd., Bala, Pa. HAAU Faulstich, Chester W. 1535 Clifton St., Baltimore, Md. HIZ Faunce, B. Warren. 26 Bala Ave., Bala, Pa. HAAU Faust, Elmer J. 728 Hamilton St., Allentown, Pa.			517 Washington Ave., Haddonfield, N. J.	540
AAU Faulstich, Chester W. 1535 Clifton St., Baltimore, Md. 1535 Clifton St., Baltimore, Md. 26 Bala Ave., Bala, Pa. 728 Hamilton St., Allentown, Pa. 728 Hamilton St., Allentown, Pa.			512 Franklin Ter., Baltimore, Md	550
Faunce, B. Warren. 26 Bala Ave., Bala, Pa. 728 Hamilton St., Allentown, Pa. 728 Hamilton St., Allen			Liankerris Kd., Bala, Pa	30
OT Faust, Elmer J		Faulstich, Chester W	26 Pole Area Pole P	12
		Faunce, B. Warren		30
TILL FEIL DAVIG D			10 Powle Area Oceante De	300
GM Fellows, J. Howard 5504 Wisconsin Ave., Washington, D. C.			19 Park Ave., Ogontz, Pa	$\frac{300}{23}$

AMATEUR RADIO STATIONS-THIRD DISTRICT-ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
	T		Watts.
3JU	Fenimore, Robert S	Windsor Mill Rd., Baltimore, Md	2
3RC	Fenton, Edward T Ferris, Malcolm	Park Heights Ave., Baltimore, Md	330
3CH	Ferris, Malcolm	3409 Baring St., Philadelphia, Pa	440
3IX	Field, Harry P	219 39th St., Norfolk, Va	440
30P	Fink, Louis, 3d	Laurel Springs, N. J	100
3BA	Fisher, George H., jr	35 N. 54th St., Philadelphia, Pa	18
3DZ	Fisher, Roy S	3520 Disston St., Philadelphia, Pa	1,000
3HO	Fithian, William S., jr	313 E. Commerce St., Bridgeton, N. J	550
3BH	Flather, Bryan S	1350 South Carolina Ave. SE., Washington, D. C.	16
3AFH	Fliegel, William M	4535 N. 17th St., Philadelphia, Pa	12
3VX	Flounders, Newton	Media, Pa	750
3KC	Flynn, Thomas F	Mineral, Va.	450
3DN	France, A. Ward	3544 N. 18th St., Philadelphia, Pa	14
3JN	Frankenfield, Albert L.	230 N. Wilton St., Philadelphia, Pa	250
3AEA		50 Garrison St., Bethlehem, Pa.	24
3JM	Frederick, Charles A	Franklin and 14th Sts., Baltimore, Md	500
	Freedom, Leon		
3VS	French, Edward R., jr.	231 9th St. SE., Washington, D. C.	1 10
3EL	Fricke, Henry W. L	801 Alsquith St., Dalumore, Md	1,000
3NB	Frye, Marcus, jr	616 Elmer St., Vineland, N. J	700
3WB	Frye, Marcus, jr	801 Aisquith St., Baltimore, Md	800
3QP	Fulton, Harold E	1643 Turner St., Allentown, Pa	36
3AAB	Furst, John F	Morrell Park, Md.	60
3QH	Fusselman, John	2436 W. Jefferson St., Philadelphia, Pa	18
3AE_	Gaffey, James H	1427 E. Hoffman St., Baltimore, Md	80
3AAJ	Gallagher, Edward J.,3d.	1812 N. Van Pelt St., Philadelphia, Pa	36
3ADR	Gardner, Arthur C	321 Laurel St., Lancaster, Pa	40
3AHI	Gardner, William	Edgemoor, Del	14
3RO	Garver, Edwin H	118 East Ave., Hagerstown, Md	550
3NF	Gaskill, William W	226 E. Washington Ave., Merchantville, N. J.	32
3AY	Gaskins, Richard W	931 North St., Portsmouth, Va	300
3WN	Gaty, John P. and Lewis R.	29 Morris Ave., Morristown, N. J	550
3CU	Gauss, Harry W	221 5th St. SE., Washington, D. C	32
3UI	George, John R.	222 Wyoming Ave., Philadelphia, Pa	36
3SV	Gerhart, Samuel R	1709 Columbia Ave., Philadelphia, Pa	48
	Coma William H	1662 Wissensin Ave. Weshington D.C.	48
3AV	Gerns, William H	1663 Wisconsin Ave., Washington, D. C.	330
3SX 3UA	Gieske, Alfred W., jr	Catonsville, Md	220
	Gilbert, Harry P., jr	401 Washington St., Portsmouth, Va 4508 Richmond St., Bridesburg, Pa	440
3AZ	Gillingham, George L., jr.	2700 N. Calvert St. Daltimore Md	1 440 1 770
3AR	Glenn Charles B	2702 N. Calvert St., Baltimore, Md	24
3SJ	Glenn, Charles R Gluck, Earle	1919 Penrose Ave., Baltimore, Md	
3AIF	Guck, Earle	Berwick Ave., Hamilton, Md	500
3LO	Godfrey, Clarence M	915 14th St. SE., Washington, D. C	36
3IF	Godfrey, Earle	Guarantee Trust Bldg., Atlantic City, N. J.	550
3NK	Godfrey, Howard L	2150 N. Corlies St., Philadelphia, Pa	30
3FG	Godfrey, James M	5037 Springfield Ave., Philadelphia, Pa	500
3WX	Goebel, Eugene S	1601 Columbia Ave., Philadelphia, Pa	36
зкв	Godfrey, James M Goebel, Eugene S Goodall, Alfred B	518 Rhode Island Ave. NE., Washington, D. C.	60
3WO	Goodwin, Harold F	244 Erie Ave., Philadelphia, Pa	4(
3UY	Gordon, Horace W	5115 Spruce St., Philadelphia, Pa	152
3OL	Grant, Arthur F	2112 Venango St., Philadelphia, Pa	100
3KM	Gray, Gerald	92 Main St., Newton, N. J.	2
3KF	Green, Anthony J	1112 S. Lakewood Ave., Baltimore, Md	10
3AGT	Gresh, Harold	Main St. and Franklin Ave., Norristown,	550
3LV	Griffin Alexaina	Pa. 706 Pine St., Bristol, Pa	30

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
3VK	Griffith, Dorsey J	3104 R St. NW., Washington, D. C	50
3PZ	Griffith, Elmer G	1824 Cayuga St., Philadelphia, Pa	50
3AL	Guenzel, Herman A	410 Buttonwood St., Philadelphia, Pa	36
3HD	Haake, William F	3429 Frederick Ave., Baltimore, Md	18
3RQ	Haas, Jerome S	2011 Atlantic Ave., Atlantic City, N. J	451
3QF	Haig, J. Donald	118 E. Maple Ave., Merchantville, N. J	20
3QO	Hake, Elias G	614 Goepp St., Bethlehem, Pa	18
3NM	Haldeman, George E	849 Maple Ave., Collingswood, N. J	18
3AIG	Hale, Charles W	107 Aberdeen Ave., Wayne, Pa	20
3OD	Hall, Leroy	86 V St. NW., Washington, D. C	12
3QV	Hall, Robert S	Clarke's Lane, Arlington, Md	550
3AEM	Halpenny, Richard R	73 Seaton Pl., Washington, D. C	63
3RV	Hammill, McClintock, jr.	1822 Spruce St., Philadelphia, Pa	18
3JT	Hampson, George M	731 Newington Ave., Baltimore, Md	100
3JY	Hann, Charles B	206 E. Preston St., Baltimore, Md	250
3HR 3PH	Harmer, Robert H	173 Lismore Ave., Glenside, Pa	36
3PJ	Harris, Edwin R	61 N. 61st St., Philadelphia, Pa	60
3LY	Harris, S. Sylvan	3413 Judson St., Philadelphia, Pa 23d and Howard Sts., Chester, Pa	40 25
3AIA	Harrisburg Wireless	1630 5th St., Harrisburg, Pa.	330
	Equipment Co.	1000 0011 00., 114111150416, 14	000
3AGD	Harrison, Edward A	320 Mt. Carmel Ave., Glenside, Pa	45
3QW	Harsch, Lawrence P	Mt. Rainier, Md	480
3VJ	Harvey, Edmund H	Secane, Pa	60
3FS	Harwood, Theodore O	1326 N. Broadway, Baltimore, Md	20
3ID	Hasenfus, Joseph F	2328 N. Fairhill St., Philadelphia, Pa	75
3AED	Haslett, Harold D	1822 N. Croskey St., Philadelphia, Pa	18
3ADT	Hastings, Harris	905 B St. NE., Washington, D. C	20
3LI	Heck, Lewis O	1614 Webster St., Baltimore, Md	330
3AEW	Heller, Adolph	214 Laurel St., Bridgeton, N. J.	27
3AGE	Hemphill, William J., jr.	235 Wyoming Ave., Philadelphia, Pa	27
3BJ	Henderson, Frank	813 Highland Ave., Philadelphia, Pa	275
3DW	Hermanns, A. Walter	Philadelphia, Pa. (portable station)	36
3SZ	Herndon, Landon C	409 Middle St., Portsmouth, Va.	25
3EM 3HM	Heyser, Wilber A Hickman, Paul W	337 W. Marshall St., Norristown, Pa 1917 Green St., Philadelphia, Pa	30 330
3JO	Hicks, A. Willett, jr	1275 S. Madison St., Allentown, Pa	60
3AAX	Hicks, Thomas R	425 Miner St., West Chester, Pa	27
3AAM	Hillman, Joseph	315 Biddle St., Baltimore, Md	36
300	Hindin, Louis N	1615 S. 5th St., Philadelphia, Pa	48
3ND	Hirst, Arthur C	Haverford, Pa	400
3MF	Hitchner, Clyde G	405 8th St., Vineland, N. J	32
3JX	Hoagland, Donald	43 Lake St., Bridgeton, N. J	180
3RI	Hodges, R. E. L	2648 Maryland Ave., Baltimore, Md	330
3RU	Hoff, J. Marshall	4909 Knox St., Philadelphia, Pa	36
3BT	Hoffman, W. Hollis	Cold Spring, N. J.	18
3KK	Hofmann, George A	Engle Ave., Burlington, N. J.	60
3AQ	Hogan, Harold O	2616 Guilford Ave., Baltimore, Md	225
3US	Holcombe, Alex. H., jr	343 Bala Ave., Cynwyd, Pa	440
3AEN	Holstein, Hubert	1932 Page St., Philadelphia, Pa	18
3PS	Holt, Clarence J	136 D St. SE., Washington, D. C	36
3GU 3AET	Horner George E	2428 Nicholas St., Philadelphia, Pa 734 Market St., Camden, N. J	36 18
3AHK	Horner, George E Houck, Harry W	New Cumberland, Pa	1,000
3PX	Howard, H. Trumbull	221 Park Ave., Swarthmore, Pa	50
3UC	Howell, S. Van S	Clinton, N. J.	22
3UP	Howlett, Joseph T. F	Clinton, N. J	100
	Howlett, Joseph T. F	2303 N. Broad St., Philadelphia, Pa	330
3UF 3UQ	Howlett, Joseph T. F Howlett, Joseph T. F	2303 N. Broad St., Philadelphia, Pa Mt. Pocono, Pa	330 1,000

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
0.4.117	Harmton Olaman as D	Ore Linder St. Magneter N. I.	Watts.
3AHL	Hunter, Clarence B	256 Linden St., Moorestown, N. J.	60
3TE 3WF	Huyette, Paul B Huyler, Rollin M	4608 Wayne Ave., Philadelphia, Pa Mt. Tabor, N. J	100
3SE	Hyatt, C. Brown	310 Carlisle Ave., York, Pa	330
3LB	Iddings, Frederick T	1608 Linden Ave., Baltimore, Md	990
3BY	Ilyus, Edmund B	130 E. Walnut St., Lancaster, Pa	36
3CJ	Imfield, Fred H	117 N. 6th St., Philadelphia, Pa	330
3IE	Jacobson, Bernard H	3803 Park Heights Ave., Baltimore, Md	550
30V	Jacoby, Arthur C	517 Linden St., Allentown, Pa	15
3AU	Jewett, R. W. Dickinson.	1833 Jefferson Pl. NW., Washington, D. C.	35
3ADL	Johnson, Alward G., jr.	1718 19th St. NW., Washington, D. C	40
3OG	Jones, John W	328 Cooper St., Camden, N. J	30 24
3NP 3TB	Jones, La Frantz Judson, Elbert B	923 French St., Wilmington, Del	45
3AAC	Kahn, Jack	509 N. Jefferson St., Kittanning, Pa	48
3AIE	Keim, Jonathan D	81 Keim St., Pottstown, Pa	550
3AHD	Keller, John H.	2631 N. 6th St., Harrisburg, Pa	60
3TZ	Kellert, Charles	1208 St. Matthew St., Baltimore, Md	300
30B	Kennedy, Ignatius L	28 S. Market St., Frederick, Md	24
3EP	Kennedy, Joseph H Kenyon, Walter R	2052 E. Fletcher St., Philadelphia, Pa	275
3SH	Kenyon, Walter R	1838 Columbia Ave., Philadelphia, Pa	511
30K	Kerr, William C	Frederick Road, Catonsville, Md	24
3TT	Kindt, Charles F., jr	301 Washington Lane, Jenkintown, Pa	275 350
3MM 3RP	King, Albert	209 St. Mary St., Burlington, N. J 5300 Glenmore Ave., Philadelphia, Pa	20
3RH	Kirby, Elmer S Kline, H. N. Gay	Central Ave., Sea Isle City, N. J	550
3AAO	Klock, Victor J.	707 N. Seventh St., Camden, N. J	24
3KX	Knight, G. Webber, jr	1545 Walnut St., Harrisburg, Pa	1,000
3IQ	Knoll, Lloyd M	3260 Chestnut St., Philadelphia, Pa	500
38Ľ	Knoppel, Herman L	136 Linsmore Ave., Glenside, Pa	250
3 FJ	Knowles, Edward P., jr.	416 Princeton Ave., Trenton, N. J	24
3EZ	Koller, Donald B	301 Reading Ave., West Reading, Pa	330
3BB	Kralovec, Dalibor	3535 N. Water St., Philadelphia, Pa	32 173
3HX	Kratz, Herman A	2001 W. Pratt St., Baltimore, Md 623 N. Penn St., Allentown, Pa	80
3DL 3WU	Kreis, William J Kressel, Gordon	1368 Park Blvd., Camden, N. J.	30
3AD	Krips, James A. C	105 Fern Ave., Collingswood, N. J.	36
3TY	Krone, Julian E	2908 West Ave., Newport News, Va	500
šĒĪ	Kumler, Kelvin C	Kensington, Md	330
3CF	Laager, Creston F	1029 Belmont Ave., West Philadelphia, Pa.	36
BGV	Laber, Joseph M	2422 N. Gratz St., Philadelphia, Pa	18
sos	Lafferty, Francis A	1717 Ingersoll St., Philadelphia, Pa	18
ŠVĎ	Lamb, Franklin	623 Elmer St., Vineland, N. J	600
3ME	Lamdin, Charles R	4016 Edmonson Ave., Baltimore, Md	500
3QG	Landis, Harold O	341 N. Front St., Reading, Pa	36
3TC	Landis, Harry	2436 Corlies St., Philadelphia, Pa	36
BCW	Lange, J. Robert	1938 Lemmon St., Baltimore, Md	16
BQC	Lanning, John M	77 E. Commerce St., Bridgeton, N. J.	550
RJ FD	La Rue, Robert G	264 Main St., Hackettstown, N. J	715
BEB BAHE	La Salle College Lazarus, Sanford S	1240 N. Broad St., Philadelphia, Pa 576 Madison Ave., York, Pa	550
BOY	Le Faucheur, Albert R	407 Raleigh St., Norfolk, Va	180
BED	Legg, Albert A	1931 N. 23d St., Philadelphia, Pa	16
	Lehmberg, Henry	2110 N. 4th St., Philadelphia, Pa	20
BAHW	Leigh, Walter S	Clinton, N. J.	36
BBZ	Leister, Fayette	331 N. Fulton St., Philadelphia, Pa	36
A TOT	Leopold, William	2110 N. 4th St., Philadelphia, Pa	20
	Lesky, William	2800 Snyder Ave., Philadelphia, Pa	30

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
3LA	Levin, Davis	44 S. Bond St., Baltimore, Md	30
30H	Levy, Lewis	243 E. Pearl St., Burlington, N. J	20
3AHF	Lewis, Clarence B	Proffet, Va	36
3RB	Lewis, Ellis	658 Linden Ave., York, Pa	880
3AAL	Lewis, John B	5108 Whitney Ave., Philadelphia, Pa	440
3AER	Linderborn, Russel	631 E. Clement St., Baltimore, Md	18
3AFN	Lippincott, Bertram	1712 Spruce St., Philadelphia, Pa	24
3RE	Longaker, Abram	216 Zeralda St., Philadelphia, Pa	60
3AAD		3038 R St. NW., Washington, D. C.	60
JAAD	Longfellow, Charles F., jr.	5056 It St. IV., Washington, D. C	00
3DU	Louchheim, William S	Jenkintown, Pa	36
3UX	Loughlin, John K	2215 Hunting Park Ave., Philadelphia, Pa.	16
3DI	Lowell, Percival D	2838 27th St. NW., Washington, D. C	500
3WQ	Lower Marion High	Ardmore, Pa	500
	School.	, , , , , , , , , , , , , , , , , , , ,	
3DX	Lukens, Wilfred P	527 Spring Hill Ave., Conshohocken, Pa	605
3AAR	Lum, Robert Bruce	64 Greene Ave., Madison, N. J	250
3PM	Lusse, Richard N	2855 N. 8th St., Philadelphia, Pa	60
3LG	Lyon, Harry H	Hyattsville, Md	500
3UL	Lyon, Raymond S	527 William St., Boonton, N. J.	160
3GH	MacDonald, Stuart	209 N. 53d St., Philadelphia, Pa	330
3EQ	MacKendrick, Robert G.	307 Amos Ld. Rd., Holmes, Pa	1,000
3AM	Majer, Carl	Philadelphia, Pa. (portable station)	330
3MH	Markham, Lester M	5108 Baltimore Ava Philadalphia Pa	30
3ES	Martin, E. Linton	5108 Baltimore Ave., Philadelphia, Pa 315 Radcliffe St., Bristol, Pa	64
3LK	Martin, Robert C	2500 N. 19th St., Philadelphia, Pa	25
3ER			550
21776	Maryland School of Telegraphy.	Baltimore, Md	550
3AIV	Mastin, Marion G	1438 Meridian Pl., Washington, D. C	27
3ON	Matos, Walter A	309 College Ave., Swarthmore, Pa	120
3DO	Maxson, Donald L	Kensington, Md	330
3ADS	McAllister, Louis E	807 Asbury Ave., Ocean City, Md	250
3TU	McAnally, Charles G.	1601 Lincoln Ave., Moore, Pa	12
3GS	McCafferty, Rea B	750 S. 60th St., Philadelphia, Pa	72
3JL	McCafferty, Rea B McCaskey, Edward R	1029 Main St., Darby, Pa	500
3AIS	McClanen Wilson T	3326 Van Kirk St., Wissinoming, Pa	420
3RL	McClanen, Wilson T McClellan, Frederick W.	180 Main St., Hackettsville, N. J	6
3LZ	McCullough, Earl N	125 N. Gross St., Philadelphia, Pa	10
3PK	McGear, Herbert K	3014 W. York St., Philadelphia, Pa	18
3EY	McIntyre, William	Oak Lane Pa	440
3MB	McKee, W. Wesley	Oak Lane, Pa 1411 W. Ontario St., Philadelphia, Pa	18
3ADF	McLean, Francis A	Dover, N. J.	110
3VR	McVickar, W. Patton	635 Mohawk Ave., Norwood, Pa	500
3GL	Meck, Michael	1550 N. Allison St., Philadelphia, Pa	100
3MJ	Megowen, Horace L	4511 N. 18th St., Philadelphia, Pa	30
3NT	Melton, J. Carroll	422 Cambridge Crescent, Larchmont, Va.	100
3MG	Mervine, Watson M	509 Laconey Ave., Palmyra, N. J	72
3RA			24
3PD	Messinger, Miles B	309 N. Linden St., Bethlehem, Pa	36
3RK	Meyer, Emil J Meyer, Howard J	1919 Green St., Philadelphia, Pa 28 N. Church St., Camden, N. J	9
3AGS		550 Corn St Hamishum Do	48
3AC	Michael, Alvin G Miller, Alfred H	550 Camp St., Harrisburg, Pa	18
3DY	Miller, Frederick E	1129 Mayor St Philadalphia Pa	18
3TD	Miller Harry C	1132 Mayer St., Philadelphia, Pa	500
3GQ	Miller, Harry G	1526 2d Ave., York, Pa.	15
	Miller, Kelly, jr	430 College St. NW., Washington, D. C.	
3AGN 3AI	Miller, Paul F	38 S. 5th St., Easton, Pa.	275
	Mohr, Paul D	537 Chestnut St., Emaus, Pa	500
3CK	Moody, Matthew C	120 Emily St., Philadelphia, Pa	12
3OM	Mooney, John, jr	2903 Girard Ave., Philadelphia, Pa	36
3GG	Moor, Percy W	6119 Ridge Ave., Philadelphia, Pa	30

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
3EK	Moore, Daniel D	2308 N. Charles St., Baltimore, Md	250
3CB	Moore, Earl T	546 Stanbridge St., Norristown, Pa	225
3AKA	Moore, James P	123 S. Mass. Ave., Atlantic City, N. J	56
3NQ	Moreley, Augustin H	1008 McKean St., Philadelphia, Pa	8
3WD	Moyer, Luke I	2021 N. Lambert St., Philadelphia, Pa	30
3UD	Mundy, Elmer	1441 Willow St., Norristown, Pa	275
3TG	Murphy, Clement H	1838 N. Hope St., Baltimore, Md	330
3HS	Murray, Eugene M	Grays Lane, Haverford, Pa	990
3AGR	Musante, Augustine F. S.	118 Darlington St., West Chester, Pa	27
3KP	Myers, Roy R.	Main St., South Perkasie, Pa	72
3GE	Nadig, Stanton E		20
3MI		203 N. 4th St., Allentown, Pa.	300
3CT	Nash, Clifford S	3615 N. 19th St., Philadelphia, Pa	
	Nassau, James A	1510 N. 18th St., Philadelphia, Pa	50
3QY	Nees, Milton	560 Chester Ave., Norwood, Pa	36
3AAN	Nicholls, Verne	512 Linden St., Bethlehem, Pa	36
3TI	Nichols, Crawford V	218 Crawford St., Portsmouth, Va	30
3AGK	Nichols, Jack and William F.	Ambler, Pa.	250
3HL	Nielsen, Harold, jr	8751 Frankford Ave., Holmesburg, Pa	18
3EE	Nikirk, Thomas E	Washington, D. C. (portable station)	50
3VU	Nikirk, Thomas E	411 12th St. SE., Washington, D. C	50
3RX	Nisley, Paul H	2406 6th St., Harrisburg, Pa	40
3AFP	Noble, Christopher	303 E. Graves Lane, Philadelphia, Pa	8
3KD	Noel, James F	218 2d St. NE., Washington, D. C	85
3GO	Norcross, Earl L	216 Roberts Ave., Glenside, Pa	500
3QA	O'Brien, Francis J	2226 N. Carlisle St., Philadelphia, Pa	500
3VZ	Orlando, Frank	1948 S. 11th St., Philadelphia, Pa	16
3AFK	Ott, Charles H	3255 N. 15th St., Philadelphia, Pa	60
3EG	Owen, A. Thomas	562 Stanbridge St., Norristown, Pa	20
3DM	Page, John C	Friendship Heights, Md	330
3CX	Parichy, Emery	1118 William St., Trenton, N. J.	27
3NS	Parker, Joseph P	808 3d St. Philadelphia Pa	12
3HE	Parks, Laurence W	808 3d St., Philadelphia, Pa	12
3DS	Parks, Walther A	901 Lawrence St. NE., Washington, D. C.	500
3AT	Parsons, Harry S	13 N. Carey St., Baltimore, Md	9
3NE	Passano, Leonard W	2504 Maryland Ave., Baltimore, Md	330
3OW	Patchel, Robert E	532 S. 15th St., Philadelphia, Pa	40
			990
3AP	Patzschke, August	Old Harford Rd., Hamilton, Md 204 N. New St., Nazareth, Pa	
3CG	Pauly, Robert	204 N. New St., Nazaretti, Fa	18
3IL	Pawson, James M	336 W. Logan St., Philadelphia, Pa	24
3FL	Pearson, Roland D	Frankford, N. J	500
3GI	Pelham, Fred B	1000 Clinton Ct. Dhiladalphia D.	74
3PN	Pemberton, Henry R	1008 Clinton St., Philadelphia, Pa	36
3TO	Pent, Robert E	305 Wyncote Rd., Jenkintown, Pa	250
3DB	Perry, Willard P., jr	Titusville, N. J.	48
3SF	Peter, Armistead, 3d	Tudor Pl. & 31st St., Washington, D. C.	275
3ADP	Peterman, Abram	693 Love Lane, Lancaster, Pa	15
3DA	Peterson, Raymond E	1602 S. Frazier St., Philadelphia, Pa	16
3JB	Petit, Ernest L	2344 McClellan St., Philadelphia, Pa	100
3UK	Peyser, Philip S	3208 West Ave., Newport News, Va	24
3PW	Philadelphia School of Wireless Telegraphy.	Broad & Cherry Sts., Philadelphia, Pa	495
3TX	Philadelphia Turnge- meinde Club.	1705 Broad St., Philadelphia, Pa	330
3RM	Phillips, Albert L	612 N. 2d St., Reading, Pa	128
3AHN	Phillips, Charles E	629 Linwood Ave., Collingswood, N. J	18
	Phillips, Howard D	121 Monroe St., Wilmington, Del	60
3AIL		140 Weshington Ave Collingswood N T	330
3AFD	Phillips, William G	140 Washington Ave., Collingswood, N. J.	
3MC	Pillsbury, Martin K	S. Broad St., Trenton, N. J	54

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
	70:	and N. G. H. Gr. D. M. L. W. L.	Watts.
3LD	Pisani, Sylvester	226 N. Calhoun St., Baltimore, Md	36
3HH	Place, Samuel W	662 Stanbridge St., Norristown, Pa	1,000
3MW	Poalk, James L., jr	325 Summit Ave., Jenkintown, Pa	60
3SP	Polk, Charles P	33 E. Walnut Ave., Merchantville, N. J.	20
3AEL	Pollard, R. Spotswood	308 Elm Ave., Swarthmore, Pa	330
30J	Pool, J. Alexander	114 E. Montgomery Ave., Ardmore, Pa	250
3PF	Postpichal, Otto I	1617 S. 16th St., Philadelphia, Pa	26
3AEO	Pottorff, Russell	110 N. Church St., Waynesboro, Pa	500
3EH	Powell, Edwin L	1206 E. Capitol St., Washington, D. C	400
3ADM	Prescott, Henry E	1402 S. Ringold St., Philadelphia, Pa	18
3KY	Preston, James E	941 Oriental Ave., Collingswood, N. J	18
3EJ	Primrose, Donald L	2814 St. Paul St., Baltimore, Md	440
3AHM	Pritchard, John E	12 N. Warren St., Trenton, N. J	120
3AHG	Proeschold, Harold V	189 Everett Pl., Rutherford, N. J	100
3PG	Proudley, Charles E	21 R St. NW., Washington, D. C	32
3AGP	Prutzman, Charles H	1015 Union St., Reading, Pa	30
3WR	Pyle, W. A. Faries	1273 Park Blvd., Camden, N. J	150
3ADN	Quaintance, Leland C	1807 Phelps Pl., Washington, D. C	60
3FE	Rabl, Samuel	419 3d St., Baltimore, Md	90
3UO	Radio Apparatus Co. of	5847 Ellsworth St., Philadelphia, Pa	500
3PR	America. Ramsay, E. Frank	640 Irving St. NW., Washington, D. C	360
3RN	Ramsey, Howard N	96 W. Sharpnack St., Philadelphia, Pa	30
3VC	Rancetelli, Ernani	1435 S. Broad St., Philadelphia, Pa	66
3NU	Ranft, William Q	4107 Belle Ave., Baltimore, Md	36
3NG	Decor Edward C	931 Edgewood Ave., Trenton, N. J	18
3TM	Raser, Edward G Rash, Franklin L	504 Claymont St., Wilmington, Del	48
3AEP	Rau, James F	1116 E. Tioga St., Philadelphia, Pa	30
3RW	Redgrave, De Witt C	1505 Bolton St., Baltimore, Md	250
3ADH	Reed, Charles J., jr	Sea Isle City, N. J.	550
3EF	Reiff, W. Norman	916 Fayette St., Conshohocken, Pa.	330
3SA	Requa, Fred A	4112 Frederick Ave., Baltimore, Md	272
3VB	Reuther, Harry R	108 Chestnut Ave., Takoma Park, Md	16
3KU	Reynolds, Edwin L	Bethesda, Md	400
3AIZ	Richardson, Francis	435 S. Orange St., Media, Pa	1,000
3DK	Richardson, Thomas L.	Quarantine Curtis Bay Md	30
3BF	Richter, Harry A	Quarantine, Curtis Bay, Md	60
3AFS	Rieger, George, jr	Penllyn, Pa	48
3AFG	Rile, Joseph C.	Broad Axe, Pa	660
3UH	Rivers, William L	1439 17th St., Philadelphia, Pa	50
3KZ	Roberts, Harold A	Kromer Ave., Berwyn, Pa	250
3NV	Robey, V. C. K	117 Commerce St., Rockville, Md	1,000
3GX	Robinson, George C	607 N. 10th St., Richmond, Va	108
3RR	Roeller, Harold C	66 Chestnut St., Pottstown, Pa	280
3CV	Rohrer, Harry B	73 Decatur St., Cumberland, Md	275
3GB	Rohrich, George J.	Bethesda, Md	440
3AIT	Roland, Penn R	563 Haws Ave., Norristown, Pa	18
3MN	Rollins, Thomas E	1732 S. 21st St., Philadelphia, Pa	80
3VV	Rose, Harold W	St. Albans School, Washington, D. C	440
3UV	Ross, John W	214 14th St., Norfolk, Va	440
3ÅÅG	Ross, William H	1639 Turner St., Allentown, Pa	36
3VP	Rothman, Charles	1837 Wilhelm St., Baltimore, Md	18
3JP	Rowe, Charles R	1308 Massachusetts Ave. SE., Washing-	18
		ton, D. C.	0=
3AAS	Rudrow, Robert G	1942 S. 22d St., Philadelphia, Pa	25
3TK	Savage, Thomas A	54 W. Willow Grove Ave., Philadel-	18
0.15737	Gabattara Dalah D	phia, Pa.	250
3EW	Scheffey, Ralph B	346 Lafayette St., Bristol, Pa	
3AIU	Schimpf, Henry L	Philadelphia, Pa. (portable station) 5020 Newhall St., Philadelphia, Pa	60
3AFW	Schimpf, Henry L	оого межнан от, инпачетриа, иа	00

Call signal.	Owner of station.	Location of station.	Power
			Watts.
3FK	Schleher, Paul H	1912 N. Marvine St., Philadelphia, Pa	42
3PA	Schlichting, E. N. E	224 E. Burk Ave., Wildwood, N. J	30
3AHT	Schmid, Edward A	453 St. Joseph St., Lancaster, Pa	30
3AEG	Schmidt, G. Ambrose	453 St. Joseph St., Lancaster, Pa	2
3JK	Schnable, Stanley E	346 Goepp St., Bethlehem, Pa	1,000
3HN	Schuck, Leon H	2441 N. 8th St., Philadelphia, Pa	550
3UU	Schuck, Leon H	Cape May, N. J.	1,000
3AIK	Schuller, Byron S	28 S. Grant St., Waynesboro, Pa	2
3HQ	Schuller, Joseph T	1329 Brown St., Philadelphia, Pa	5
3OU	Schwering, Harry C., jr.	1533 S. 16th St., Philadelphia, Pa	2
3GT	Searle, William J., jr	164 Harrison Ave., Glenside, Pa	30
3SU	Seeley, Alfred J	241 N. Wilton St., Philadelphia, Pa	25
3VT	Seidenberg, Frank	4219 Parrish St., Philadelphia, Pa	7.
3QZ	Service, Charles A., jr		55
3SD	Shafer, Albert G	Bala, Pa. 201 Sylvan St., Rutledge, Pa.	1.
3ADE		Crontham Do.	
3AIM	Shaffer, James A	Grantham, Pa	5
3HP	Sharp, Lewis W	191 Oak St Cumbowland Md	33
3EU	Shelley F. Chester	121 Oak St., Cumberland, Md	
3IB	Shelley, F. Cheston	2612 Hampden St., Baltimore, Md	4
The state of the s	Sherrill, Arthur M	329 W. School Lane, Philadelphia, Pa	3 50
3AES	Sherwood, John R., jr	Park Heights Ave., Baltimore, Md	
3LF	Shreiner, Carl H	37 E. James St., Lancaster, Pa.	5
310	Shreve, Aaron F	34 S. New York Ave., Atlantic City, N. J.	2
3OR	Signor, Frederick H	700 G St. SE., Washington, D. C.	3
3FD	Simon, Walter	1234 Carroll St., Baltimore, Md	30
3AGW	Simons, Joseph M	4553 Pulaski Ave., Philadelphia, Pa	3
3ADK	Skiles, John D., jr	438 N. Duke St., Lancaster, Pa	55
3PP	Skinner, William H	117 Glenn Rd., Ardmore, Pa	25
3NO	Sleath, Robert W	305 Schuylkill Ave., Reading, Pa	
3WK	Slifer, Wallace P	N. 6th St., Philadelphia, Pa	3
3DQ	Smith, G. Victor	429 W. Hanover St., Bristol, Pa	80
3PU	Smith, Hubert H	721 N. 17th St., Philadelphia, Pa	33
3KA	Smith, Norborne G	South Hill, Va.	1,00
3FH	Smith, Sewall P	Catonsville, Md	27
3HG	Smith, W. P Snow, Harold A	5046 Haverford Ave., Philadelphia, Pa. 1656 Newton St. NW., Washington, D. C.	25
$_{\rm 3JR}$	Snow, Harold A	1656 Newton St. N.W., Washington, D. C.	3
3IK	Snyder, Harry H	Cold Spring, N. J.	6
3AFE	Somers, Lewis S., jr	3554 N. Broad St., Philadelphia, Pa	4
3AAQ	Souder, Philip W	728 State St., Camden, N. J.	2
3MY	Spaulding, Ralph F	22 Simpson Rd., Ardmore, Pa	4
3AGA	Speace, Alonzo L	Cape May, N. J.	20
3SG	Speakman, Edwin G., jr.	908 D St. SW., Washington, D. C.	30
3DH	Stahl, Harry E., jr	275 Bellevue Ave., Trenton, N. J	20
3KI	Stanley, John S	Laurel, Md	50
3GY	Staub, James	Sluice Rd., Burlington Township, N. J	60
3NY	Steele, Sherman E	122 S. Queen St., Lancaster, Pa	20
3BC	Stephen, C. Chester	Laurel Springs, N. J. 630 Morton St. NW., Washington, D. C.	7:
3HI	Stepp, John W	boo Morton St. N.W., Washington, D. C.	4
3VH	Stickell, Daniel R	449 Potomac Ave., Hagerstown, Md	- 55
3HK	Stokes, Josiah T	15 W. Stiles Ave., Collingswood, N. J.	2
3JG	Stoughton, Henry F Strailman, Gilbert T	1819 W. Thompson St., Philadelphia, Pa. 649 29th St., Newport News, Va	5
3FW	Strallman, Gilbert T	649 29th St., Newport News, Va	4
3FP	Stratton, Milton W	645 Plum St., Vineland, N. J	7
^{3}PQ	Strieby, Malcolm	112 Rutgers Ave., Swarthmore, Pa	25
3IT	Stritzel, Alfred H	12 North Carolina Ave. South, Atlantic City, N. J.	25
3QS	Stubbs, Thomas H	427 W. Union St., West Chester, Pa	180
3AS	Stumpter, Albert G	Old Harford Rd., Hamilton, Md	44
3AGL	Sweger, Monroe J	6033 Reinhart St., Philadelphia, Pa	1
3TH	Tabb, Vincent W		3

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
3OF	Talbot, George L	506 14th St., Highlandtown, Md	165
3QL	Tapley, Robert E	Hampton Court, Norfolk, Va	18
3HB	Taylor, Sidney L. M	17 Winona Ave., Norwood, Pa	120
BAEI	Thomas, David	200 Bethlehem Pike, Ambler, Pa	36
BAFR	Thomas, Fred S., jr	1715 Christian St., Philadelphia, Pa	24
BEC			12
	Thomson, Henry A	Primos, Pa.	24
3CD	Thorman, Charles D	9 Franklin Pl., Ardmore, Pa.	
SAIB	Thurick, Andrew	16 Reservoir St., Mt. Carmel, Pa	36
BOE	Titus, George E	249 Mt. Hope Ave., Dover, N. J.	24
BIY	Tolbert, Warren B	7037 Hegerman St., Philadelphia, Pa	24
3AHR	Tolbert, Warren B	Philadelphia, Pa. (portable station)	50
3VF	Tompkins, E. Randolph	526 9th Ave., Roanoke, Va	500
3MR	Toner, James I	1432 Christian St., Philadelphia, Pa	36
3AIP	Tranor, Harry W	906 W. Park Sq., Moore, Pa	24
3AH	Treide, Carl L	2402 E. Baltimore St., Baltimore, Md	500
3BI	Trieschman, Edward T	Randallstown, Md	27
3GK	Troth, Raymond H	3350 N. 18th St., Philadelphia, Pa	250
3MQ	Trumbower, Raymond	24 Collingswood Ave., Oaklyn, N. J	18
SAIY	Tuck, Wilbur A	Point of Rocks, Md	72
3TS	Turner, Alfred W	61 Hampton St., Bridgeton, N. J	18
3RY	Turner, Morris C., jr	2613 Maryland Ave., Baltimore, Md	330
3QR	Underhill, Chester R	Brightside Farm, Guilford, Md	200
		2640 Vorde Dd Philadelphia Pa	30
3DV	Uphoff, Frank B	3649 York Rd., Philadelphia, Pa	30
3VQ	Uphoff, Frank B	87-89 Thorofare Ave., Margate City, N. J.	
3VW	Uphoff, Frank B	Philadelphia, Pa. (portable station)	8
BCE	Upman, Edgar A	1823 W. Fayette St., Baltimore, Md	500
3AO	Urner, Joseph W	215 E. 2d St., Frederick, Md	24
3CM	Van Horn, J. Clunn	5127 Arch St., Philadelphia, Pa	500
3LL	Van Horn, J. Orville	1427 N. 17th St., Philadelphia, Pa	12
BSB	Van Hulsteyn, J. M. C	Cockeysville, Md	250
BADW	van Reuth, Floris	Hamilton, Md	330
3QM	Varnes, Earl W	8 Race St., Cambridge, Md	48
BTN	Venn, Silas N	900 Vandever Ave., Wilmington, Del	250
BIN	Vogel, Charles C	1244 N. Taney St., Philadelphia, Pa	18
BRS	Vollten Theodore F	Bethesda, Md	440
3KL	Wagner, William H	121 Obold St., West Reading, Pa	18
3LW	Waite, John W	2938 N. 3d St., Philadelphia, Pa	55
3IR	Wallace, Lewis J	2728 Poplar St., Philadelphia, Pa	18
3RF	Wallace, William D	1832 W. Fayette St., Baltimore, Md	21
3NN	Wallen, Francis B	405 Broadway, Camden, N. J	50
3AN	Walsh, Maurice L	819 W. Lexington St., Baltimore, Md	500
3AAW	Walthall, John H	267 W. York St., Norfolk, Va	60
3PO		2412 S. Rosewood St., Philadelphia, Pa	54
	Watson, James B	10 Hanover St., Cumberland, Md	550
SVN	Ways, Clarence I	1546 Aisquith St., Baltimore, Md	275
3AG	Weant, Clarence H		250
BAFA	Weber, Charles W	Abington, Pa	100
BAFT	Webster, Harold S	3623 N. 16th St., Philadelphia, Pa	40
BAEH	Wedge, Franklin W	126 Athens Ave., Ardmore, Pa	30
3OC	Wegner, Arthur H	1751 U St. NW., Washington, D. C	18
BAAT	Wegner, Edwin	117 Northampton St., South Bethlehem, Pa.	330
BAHR	Weik, Charles F	Philadelphia, Pa. (portable station)	50
BFC	Weik, Charles F	Philadelphia, Pa. (portable station) 7148 Vandyke St., Philadelphia, Pa	24
BLH	Weiss, Leonard	1608 South St., Philadelphia, Pa	40
BHF	Weiss, Simon	815 S. 5th St., Camden, N. J.	180
		6118 Boynton St., Philadelphia, Pa	42
BNX	Wells, John M	124 S. 66th St., Philadelphia, Pa	495
BDT	Wells, William C., jr		150
3AF	West, William M	1407 N. Central Ave., Baltimore, Md	
3FI	Wever, John A	238 S. Patterson Park Ave., Baltimore,	21
		Md.	
3KQ	Wexler, Bernard	431 Dickinson St., Philadelphia, Pa	495

Amateur Radio Stations—Third District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
- CIT			Watts.
3CZ	Wheatley, Douglas N	405 N. 32d St., Philadelphia, Pa	48
3MV	Whitaker, Lorenzo D	937 14th St. SE., Washington, D. C	36
3DG	White, Norman P	19 General Greene Ave., Trenton, N. J	18
3EN	Whitney, Lucien S	624 Quincy St. NW., Washington, D. C	440
3OX	Wick, Arthur	2406 S. Percy St., Philadelphia, Pa	12
3NJ	Wicks, Preston S	2206 Ruskin Ave., Baltimore, Md	550
3SI	Williams, Harvey	3523 N. 18th St., Philadelphia, Pa	1,000
3AGF	Williamson, Robert M	4711 Pulaski Ave., Philadelphia, Pa	78
3AKD	Williamson, Robert M	5539 Central Ave., Ocean City, N. J	500
3BU	Wilson, Arthur J	35 S. 45th St., Philadelphia, Pa	18
3IV	Wilson, Willard S	705 Adams St., Wilmington, Del	490
3MK	Wilson, William P	2400 Barclay St., Baltimore, Md	60
3HA	Wiseman, Luther B	330 W St. NW., Washington, D. C	1
3HU	Witmer, Charles T	133 W. Buttonwood St., Philadelphia, Pa.	330
3WE	Wohlford, John F	404 Elm Ave., Roanoké, Va	50
3JD	Wolcott, Roger G	224 41st St., Norfolk, Va	44
3AFM	Wolfe, Charles S	117 Pearl St., Norristown, Pa	18
3BS	Wolff, William J	2422 S. Iseminger St., Philadelphia, Pa	2
3VG	Wood, Frederick B	Bryn Mawr, Pa	330
3WH	Wood, Horace	Chestertown, Md	60
3GR	Wood, Richard M	Keyworth Ave., Park Heights, Baltimore	49
		Md.	
3QX	Worcester, Paul S	1941 Green St., Harrisburg, Pa	40
3DD	Work, Ashton G	807 St. Charles Pl., Ocean City, N. J	250
3KJ	Worrest, Howard A	629 N. Duke St., Lancaster, Pa	130
3AGH	Wright, Ervin T	58 Broad St., Salem, N. J.	250
3AAZ	Wright, S. Joseph	Dushore, Pa	24
3FU	Wunder, William F	6211 Germantown St., Philadelphia, Pa	80
3AFL	Wynkoop, John E	4316 Chestnut St., Philadelphia, Pa	30
3AIO	Wynkoop, John E	Philadelphia, Pa. (portable station)	18
3CQ	Yeager, George R	718 S. American St., Philadelphia, Pa	50
3WT	Young, Walter T	Nazareth, Pa	30
3IG	Zabel, Roy E	156 Lismore Ave., Glenside, Pa	60
BNA	Zang, Joseph A., jr	700 N. 37th St., Philadelphia, Pa	440
3AID	Zilinskie, Stanley	16 Reservoir St., Mt. Carmel, Pa	30
3QN	Zinszer, Harvey A	920 S. 6th St., Allentown, Pa	120
3LS	Zito, Vincent	213 N. Gay St., Baltimore, Md	36
3PB	Zorger, Daniel H	409 Kelker St., Harrisburg, Pa	1,000

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station,
3AA 3AAB 3AAC 3AAD 3AAE 3AAF 3AAG	Ashmore, John W. Furst, John F. Kahn, Jack. Longfellow, Charles F., jr. Lesky, William. Brudenell, Norman. Ross, William H.	3AAR 3AAS 3AAT 3AAU 3AAV 3AAW 3AAX	Lum, Robert B. Rudrow, Robert G. Wegner, Edwin. Faulstich, Chester W. Bechler, William C., jr. Walthall, John H. Hicks, Thomas R.
3AAH	Clayton, David J.	3AAY	Douglas, George S.
3AAI	Blake, John M.	3AAZ	Wright, S. Joseph.
3AAJ 3AAL	Gallagher, Edward J., 3d. Lewis, John B.	3AB 3AC	Conklin, Ira L. Miller, Alfred H.
3AAM	Hillman, Joseph.	3AD	Krips, James A. C.
3AAN	Nicholls, Verne.	3ADE	Shaffer, James A.
3AAO	Klock, Victor J.	3ADF	McLean, Francis A.
3AAQ	Souder, Philip W.	3ADG	Bernhard, John S.

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
3ADH	Reed, Charles J., jr.	3AGT	Gresh, Harold.
3ADI	Leopold, William.	3AGW	Simons, Joseph M.
3ADK	Skiles, John D., jr.	3AH	Treide, Carl L.
3ADL	Johnson, Alward G., jr.	3AHA	Carlisle, John F.
3ADM	Prescott, Henry E.	3AHD	Keller, John H.
3ADN	Quaintance, Leland C.	3AHE	Lazarus, Sanford S.
3ADO	Coombs, John S.	3AHF	Lewis, Clarence B.
3ADP	Peterman, Abram.	3AHG	Proeschold, Harold V.
3ADR	Gardner, Arthur C.	3AHI	Gardner, William.
3ADS	McAllister, Louis E.	3AHK	Houck, Harry W.
3ADT	Hastings, Harris.	3AHL	Hunter, Clarence B.
3ADW	van Reuth, Floris.	3AHM	Pritchard, John E.
3AE	Gaffey, James H.	3AHN	Phillips, Charles E.
3AEA	Frederick, Charles A.	3AHO	Dunn, John M.
3AED	Haslett, Harold D.	3AHP	Chesser, Page P. A.
3AEF	Beidelman, Harry A.	3AHR	Tolbert, Warren B., and Weik,
3AEG	Schmidt, G. Ambrose.	0.4770	Charles F.
3AEH	Wedge, Franklin W.	3AHS	Brown, Edwin H.
3AEI	Thomas, David.	3AHT	Schmid, Edward A.
3AEK	Baughman, George E.	3AHW	Leigh, Walter S.
3AEL 3AEM	Pollard, R. Spotswood. Halpenny, Richard R.	3AI	Mohr, Paul D.
3AEN	Holstein, Hubert.	3AIA	Harrisburg Wireless Equip-
3AEO	Pottorff, Russell.	3AIB	ment Co.
3AEP	Rau, James F.	3AID	Thurick, Andrew. Zilinskie, Stanley.
3AER	Linderborn, Russel.	3AIE	Keim, Jonathan D.
3AES	Sherwood, John R., jr	3AIF	Gluck, Earle.
3AET	Horner, George E.	3AIG	Hale, Charles W.
3AEW	Heller, Adolph.	3AIH	Bennum, George W., jr.
3AF	West, William M.	3AIK	Schuller, Byron S.
3AFA	Weber, Charles W.	3AIL	Phillips, Howard D.
3AFD	Phillips, William G.	3AIM	Sharp, Lewis W.
3AFE	Somers, Lewis S., jr	3AIN	deHegh, Claude S.
3AFG	Rile, Joseph C.	3AIO	Wynkoop, John E.
3AFH	Fliegel, William M.	3AIP	Tranor, Harry W.
3AFI	Backe, Louis M., jr.	3AIR	Beaumont, Robert H.
3AFK	Ott, Charles H.	3AIS	McClanen, Wilson T.
3AFL	Wynkoop, John E.	3AIT	Roland, Penn R.
3AFM	Wolfe, Charles S.	3AIU	Schimpf, Henry L.
3AFN	Lippincott, Bertram.	3AIV	Mastin, Marion G.
3AFO	Huddy, James J., jr.	3AIW	Chadwick, Herbert E.
3AFP	Noble, Christopher.	3AIX	Bowman, Christian M.
3AFR 3AFS	Thomas, Fred S., jc.	3AIY 3AIZ	Tuck, Wilbur A.
3AFT	Rieger, George, jr.	3A J	Richardson, Francis. Bausman, George H.
3AFW	Webster, Harold S. Schimpf, Henry L.	3AK	Duvall, Edward B.
3AG	Weant, Clarence H.	3AKA	Moore, James P.
3AGA	Speace, Alonzo L.	3AKD	Williamson, Robert M.
3AGD	Harrison, Edward A.	3AL	Guenzel, Herman A.
3AGE	Hemphill, William J., jr.	3AM	Majer, Carl.
3AGF	Williamson, Robert M.	3AN	Walsh, Maurice L.
3AGH	Wright, Ervin T.	3AO	Collier, Wilbur H.
3AGI	Beck, Rodnev M.	3AP	Patzschke, August.
3AGK	Nichols, Jack and William F.	3AQ	Hogan, Harold O.
3AGL	Sweger, Monroe J.	3AŘ	Gilpin, Levering H.
3AGM	Breuil, James F.	3AS	Stumpter, Albert G.
3AGN	Miller, Paul F.	3AT	Parsons, Harry S.
3AGO	Brunhouse, Jacob S.	3AU	Jewett, R. W. Dickinson
3AGP	Prutzman, Charles H.	3AV	Gerns, William H.
3AGR	Musante, Augustine F. S.	3AW	Ely, Harry S.
3AGS	Michael, Alvin G.	3AX	Arner, Oscar Q.

Amateur Radio Stations—Third District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	
3AY	Gaskins, Richard W.	3DE	Bernert, Joseph, jr.	
3AZ	Gillingham, George L., jr.	$3\overline{DF}$	Brockway, Ladue M.	
01123	diningham, deerge D., jr.	3DG	White, Norman P.	
3BA	Fischer, George H., jr.	3DH	Stahl, Harry E., jr.	
3BB	Kralovec, Dalibor.	3DI	Lowell, Percival D.	
3BC	Stephen, C. Chester.	3DJ	Diggins, Edward P. G.	
3BD	Allen, Percival R.	3DK	Richardson, Thomas L.	
3BE	Critchlow, P. Davey.	3DL	Kreis, William J.	
3BF	Richter, Harry A.	3DM	Page, John C.	
3BG	Clark, Edwin T.	3DN	France, A. Ward.	
3BH	Flather, Bryan S.	3DO	Maxson, Donald L.	
3BI	Trieschman, Edward T.	3DQ	Smith, G. Victor.	
$3BJ_{\underline{}}$	Henderson, Frank	3DR	Eyster, James A. Parks, Walther A.	
3BK	Bryce, Stanley C.	3DS	Wolls William C in	
3BL	Beach, Harry L.	3DT 3DU	Wells, William C., jr.	
3BM	Allen, George Y.	3DV	Louchheim, William S. Uphoff, Frank B.	
3BN	Egan, John E.	3DW		
3BO	Brady, John B.	3DX	Hermanns, A. Walter. Lukens, Wilfred P	
3BP	Blackwood, George C.	3DY	Miller, Frederick E.	
3BQ	Eller, George O.	3DZ	Fisher, Roy S.	
3BR	Crothers, Harry W.	022	1 2000, 200, 5.	
3BS	Wolff, William J.	3EA	Brashears, Paul B.	
3BT 3BU	Hoffman, W. Hollis.	3EB	LaSalle College.	
3BV	Wilson, Arthur J. Bacon, Franklin F.	3EC	Thomson, Henry A.	
3BW		3ED	Legg. Albert A.	
3BX	Campbell, John W. Carpenter, C. Ellwood, jr.	3EE	Nikirk, Thomas E.	
3BY	Ilyus, Edmund B.	3EF	Reiff, W. Norman.	
3BZ	Leister, Fayette.	3EG	Owen, A. Thomas.	
002	Densier, Tayette.	3EH	Powell, Edwin L.	
3CA	Adelberger, Adrian J.	3EI	Kumler, Kelvin C.	
3CB	Moore, Earl T.	3EJ	Primrose, Donald L.	
3CC	Biddle, Howard L., jr.	3EK	Moore, Daniel D.	
3CD	Thorman, Charles D.	3EL	Fricke, Henry W. L.	
3CE	Upman, Edgar A.	3EM	Heyser, Wilber A.	
3CF	Laager, Creston F.	3EN	Whitney, Lucien S.	
3CG	Pauly, Robert.	3EP	Kennedy, Joseph H.	
3CH	Ferris, Malcolm.	3EQ 3ER	MacKendrick, Robert G.	
3CI	Cook, Howell E.	3EK	Maryland School of Teleg	
3CJ	Imfield, Fred H.	3ES	raphy. Martin, E. Linton.	
3CK	Moody, Matthew C.	3ET	Alber, Robert C.	
3CL	Coleman, Walter V.	3EU	Shelley, F. Cheston.	
3CM	Van Horn, J. Clunn.	3EV	Brannan, Julian L.	
3CN	Ashton, Leon W.	3EW	Scheffey, Ralph B.	
3CO	Campbell, James S.	3EY	McIntyre, William.	
3CP	Bunting, George M., jr.	3EZ	Koller, Donald B.	
3CQ	Yeager, George R.			
3CR	Ellis, William G.	3FA	Davis, Edwin L.	
3CS	Baker, Harold Z.	3FB	Darby, George B., ir.	
3CT	Nassau, James A.	3FC	Darby, George B., jr. Weik, Charles F.	
3CU	Gauss, Harry W.	3FD	Simon, Walter.	
3CV 3CW	Rohrer, Harry B.	3FE	Rabl, Samuel.	
3CX	Lange, J. Robert. Parichy, Emery.	3FF	Dempster, Warren J.	
3CZ		3FG	Godfrey, James M.	
002	Wheatley, Douglas N.	3FH	Smith, Sewell P.	
3DA	Peterson Raymond E	3FI	Wever, John A.	
3DB	Peterson, Raymond E. Perry, Willard P., jr.	3FJ	Knowles, Edward P., jr.	
3DC	Bergen, Donald M.	3FK 3FL	Schleher, Paul H.	
	Work, Ashton G.	3FM	Pearson, Roland D.	
	oraș zimiloui G.	OLM	Channell, John W.	

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

		•	
Call signal.	Owner of station.	Call signal.	Owner of station.
3FN	Deichmiller, Alvin.	зну	Derr, Francis S.
3FO	E. I. du Pont De Nemours Powder Co.	3HZ	Delbert, Simon, jr.
3FP	Stratton, Milton W.	3IB	Sherrill, Arthur M.
3FQ	Clark, William R.	3ID	Hasenfus, Joseph F.
3FR	Densten, E. Craig.	3IE	Jacobson, Bernard H.
3FS	Harwood, Theodore O.	3IF	Godfrey, Earle.
3FT	Dudley, DeWitt C.	3IG	Zabel, Roy E.
3FU 3F V	Wunder, William F. Edwards, Charles.	3IH 3IK	Eisele, Edward, jr.
3FW	Strailman, Gilbert T.	3IL	Snyder, Harry H. Pawson, James M.
3FX	Bonsall, Thomas F.	3IM	Chambers, Joseph D.
3FY	Devlin, John L.	3IN	Vogel, Charles C.
3FZ	Adam, William.	3IO	Shreve, Aaron F.
		3IQ	Knoll, Lloyd M.
3GB	Rohrich, George J.	3IR	Wallace, Lewis J.
3GC 3GE	Bach, Earl C.	3IT	Stritzel, Alfred H. Wilson, Willard S.
3GF	Nadig, Stanton E. Bryce, Stanley C.	3IV 3IX	Field, Harry P.
3GG	Moor, Percy W.	3IY	Tolbert, Warren B.
3GH	MacDonald, Stuart.	3ÎZ	Faunce, B. Warren.
3GI	Pelham, Fred B.		
3GJ_	Doughty, William R.	3JB	Petit, Ernest L.
3GK	Troth, Raymond H.	3JD	Wolcott, Roger G.
3GL	Meck, Michael.	3JE	Dickerson, E. Stuart, jr.
3GM 3GN	Fellows, J. Howard. Board of Public Education,	3JF 3JG	Apfelbaum, Martin. Stoughton, Henry F.
3011	Philadelphia, Pa.	3JH	Brockman, Francis C.
3GO	Norcross, Earl L.	311	Burdette, Aubrey W.
$3\ddot{\mathbf{G}}\mathbf{Q}$	Miller, Kelly, jr.	3JJ	Bergmann, Frederick J.
3GR	Wood, Richard M.	3JK	Schnable, Stanley E.
3GS	McCafferty, Rea B.	3JL	McCaskey, Edward R. Freedom, Leon.
3GT	Searle, William J., jr.	3JM	Freedom, Leon.
3GU 3GV	Hopkins, Robert E. Laber, Joseph M.	3JN 3JO	Frankenfield, Albert L.
3GX	Robinson, George C.	3JP	Hicks, A. Willett, jr. Rowe, Charles R.
·3GY	Staub, James.	มีQ	Benson, Thomas W.
3GZ	Backe, Louis M., jr.	3JŘ	Snow, Harold A.
		3JS	Beekley, Francis C.
3HA	Wiseman, Luther B.	3JT	Hampson, George M.
3HB	Taylor, Sidney L. M.	3JU	Fenimore, Robert S.
3HD 3HE	Haake, William F. Parks, Laurence W.	3JW 3JX	Broadbelt, J. Edward, jr. Hoagland, Donald.
3HF	Weiss, Simon.	3JY	Hann, Charles B.
3HG	Smith, W. P.		,
3HH	Place, Samuel W.	3KA	Smith, Norborne G.
3HI	Stepp, John W.	3KB	Goodall, Alfred B.
3HJ	Bradley, Horace E.	3KC	Flynn, Thomas F.
3HK	Stokes, Josiah T.	3KD 3KF	Noel, James F.
3HL 3HM	Nielsen, Harold, jr. Hickman, Paul W.	3KI	Green, Anthony J. Stanley, John S.
3HN	Schuck, Leon H.	3KJ	Worrest, Howard A.
3HO	Fithian, Wm. S., jr.	3KK	Hofmann, George A.
3HP	Sheetz, George F.	3KL	Wagner, William H.
3HQ	Schuller, Joseph T.	3KM	Gray, Gerald.
3HR	Harmer, Robert H.	3KN	Barr, Richard H.
3HS	Murray, Eugene M.	3KO 3KP	Chalmers, Edwin L.
3HT 3HU	Falkenberg, August E. Witmer, Charles T.	3KQ	Myers, Roy R. Wexler, Bernard.
3HW	Bidwell, George L.	3KŬ	Reynolds, Edwin L.
3HX	Kratz, Herman A.	3KX	Knight, G. Webber, jr.
J	,		G .,, , ,

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
3KY	Preston, James E.	3NJ	Wicks, Preston S.
3KZ	Roberts, Harold A.	3NK	Godfrey, Howard L.
U	,	3NL	Behm, L. F. F.
3LA	Levin, Davis.	3NM	Haldeman, George E.
3LB	Iddings, Frederick T.	3NN	Wallen, Francis B.
3LC	Eberly, Jacob A., jr.	3NO	Sleath, Robert W.
3LD	Pisani, Sylvester.	3NP	Jones, La Frantz.
3LF	Shreiner, Carl H.	3NQ	Morley, Augustin H.
3LG	Lyons, Harry H.	3NŘ	Croll, Robert S.
3LH	Weiss, Leonard.	3NS	Parker, Joseph P.
3LI	Heck, Lewis O.	3NT	Melton, J. Carroll.
3LJ	Anderson, Joseph L.	3NU	Ranft, William Q.
3LK	Martin, Robert C.	3NV	Ranft, William Q. Robey, V. C. K. Burke, Thomas J.
3LL	Van Horn, J. Orville.	3NW	Burke, Thomas J.
3LM	Faries, Walter R.	3NX	Wells, John M.
3LN	Doyle, John E.	3NY	Steele, Sherman E.
3LO	Godfrey, Clarence M.	3NZ	Branin, Manlif L.
3LP	Densham, Harry W.	H	1
3LQ	Birch, Stanford S.	30A	Urner, Jos. W.
3LR	Cooper, William F.	3OB	Kennedy, Ignatius L.
3LS	Zito, Vincent.	3OC	Wegner, Arthur H.
3LT	Dunbar, Lewis T.	3OD	Hall, Leroy.
3LU	Ellis, J. Elton.	30E	Titus, George E.
3LV	Griffin, Aloysius.	30F	Talbot, George L.
3LW	Waite, John W.	3OG	Jones, John W.
3LY	Harris, William J.	3OH	Levy, Lewis.
3LZ	McCullough, Earl N.	3OI	Lehmberg, Henry.
		3OJ	Pool, J. Alexander.
3MA	Downes, Marlboro K.	30K	Kerr, William C.
3MB	McKee, W. Wesley.	3OL	Grant, Arthur F.
3MC	Pillsbury, Martin K.	3OM	Mooney, John jr.
3MD	Dulany, Franklin R.	30N	Matos, Walter A.
3ME	Lamdin, Charles R.	300	Hindin, Louis N.
3MF	Hitchner, Clyde G.	3OP	Fink, Louis, 3d.
3MG	Mervine, Watson M.	30Q	Bryson, Harold E.
3MH	Markham, Lester M.	3OR	Signor, Frederick H.
3MI	Nash, Clifford S.	3OS	Lafferty, Francis A.
3MJ	Megowen, Horace L.	3OT	Faust, Elmer J.
3MK	Wilson, William P.	3OU	Schwering, Harry C., jr.
3MM	King, Albert.	3OV	Jacoby, Arthur C.
3MN	Rollins, Thomas E.	30W	Patchel, Robert E.
3MO	Bickel, E. Clifton.	30X	Wick, Arthur.
3MP	Cohen, Henry.	30Y	Le Faucheur, Albert R.
3MQ 3MR	Trumbower, Raymond. Toner, James I.	30Z	Collins, Benjamin W.
3MS		3PA	Schlichting F N F
3MU	Barnhart, Lawrence W.	3PB	Schlichting, E. N. E.
3MV	Baily, William J., jr.	3PC	Zorger, Daniel H.
3MW	Whitaker, Lorenzo D.	3PD	Abbott, E. H. B.
3MX	Poalk, James L., jr. Barker, Thomas H., jr.	3PE	Meyer, Emil J. Bassett, William W.
3MY	Spaulding, Ralph F.	3PF	Postpichal, Otto I.
OM I	Spaulding, Italph 1.	11 000	
3NA	Zang, Joseph A., jr.	3PG 3PH	Proudley, Charles E. Harris, Edwin R.
3NB	Frye, Marcus, jr.	3PI	Atlee, Franklin.
3NC	Dalling, Howard.	3PJ	Harris, S. Sylvan.
3ND	Hirst, Arthur C.	3PK	McGear, Herbert K.
3NE	Passano, Leonard W.	3PL	Ballentine, Chas. S.
3NF	Gaskill, William W.	3PM	Lusse, Richard N.
3NG	Raser, Edward G.	3PN	Pemberton, Henry R.
3NH	Bierfreund, Max A.	3PO	Watson, James B.
	Bell, Albert A., jr.	$^{\parallel}$ 3PP	Skinner, William H.

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
3PQ	Strieby, Malcolm.	3RY	Turner, Morris C., jr.
3PR	Ramsay, E. Frank.	3RZ	Barrett, Montague W.
3PS	Holt, Clarence J.		,
3PT	Creager, E. Clark.	3SA	Requa, Fred A.
3PU	Smith, Hubert H.	3SB	Van Hulsteyn, J. M. C.
3PV	Bunting, Theodore R.	3SC	Ecton, Albert F.
3PW	Philadelphia School of Wire-	3SD	Shafer, Albert G.
	less Telegraphy.	3SE	Hyatt, C. Brown.
3PX	Howard, H. Trumbull.	3SF	Peter, Armistead, 3d.
3PY	Bergey, H. Leon.	3SG	Speakman, Edwin G., jr.
3PZ	Griffith, Elmer G.	3SH	Kenyon, Walter R.
		3SI	Williams, Harvey.
3QA	O'Brien, Francis J.	3SJ	Glenn, Charles K.
3QB	Derbyshire, Agnew W.	3SK	Baxley, C. Herbert.
3QC	Lanning, John M.	3SL	Knoppel, Herman L.
3QD	Andersen, Frederick J.	3SM	Burnett, A. Elmo.
3QF	Haig, J. Donald.	3SN	Bourgeois, Edmund R.
3QG	Landis, Harold O.	3SO	Bradshaw, R. B.
3QH	Fusselman, John.	3SP	Polk, Charles P.
3QI	Cameron, Lloyd W.	3SQ	Doughty, D. Roland.
3QJ	Crowley, Robert H.	3SR ·	Anderson, John A.
3QK	Adams, Leslie H.	388	Brany, Emil B.
3QL	Tapley, Robert E.	3ST	Chappell, Ralph R.
3QM	Varnes, Earl W.	SSU	Seeley, Alfred J.
3QN	Zinszer, Harvey A.	3SV	Gerhart, Samuel R.
3QO	Hake, Elias G.	3SW	Barnard, Julian W.
$3\mathbf{QP}$	Fulton, Harold E.	3SX	Gieske, Alfred W., jr.
3QQ	Cassady, Park H.	3SY	Barretta, Valroy S.
3QR	Underhill, Chester R.	3SZ	Herndon, Landon C.
3QS	Stubbs, Thomas H.	0771 A	Dimon C Waketen
3QT	Cordeman, Roy C.	3TA 3TB	Piper, S. Webster.
3QU	Deichmann, George L., jr.	3TC	Judson, Elbert B. Landis, Harry.
3QV	Hall, Robert S. Harsch, Lawrence P.	3TD	
3QW 3QX	Worcester, Paul S.	3TE	Miller, Harry G. Huyette, Paul B.
$3\overset{\mathbf{Q}}{\mathbf{X}}\overset{\mathbf{X}}{\mathbf{Y}}$	Nees, Milton.	3TF	Ebert, Burton E.
$3\tilde{\mathbf{Q}}\mathbf{Z}$	Service, Charles A., jr.	3TG	Murphy, Clement H.
ായുമ	borvico, charles II., jr.	3TH	Tabb, Vincent W.
3RA	Messinger, Miles B.	3TI	Nichols, Crawford V.
3RB	Lewis, Ellis.	3TJ	Edson, Howard D.
3RC	Fenton, Edward T.	3TK	Savage, Thomas A.
3RD	Dimling, Rudolph G. A.	3TL	Bowes, Joseph J.
3RE	Langaker, Abram.	3TM	Rash, Franklin L.
3RF	Wallace, William D.	3TN	Venn, Silas N.
3RG	Bowman, Philip W.	3TO	Pent, Robert E.
3RH	Kline, H. N. Gay.	3TP	Brittingham, Otis B.
3RI	Hodges, R. E. L.	3TQ	Andrews, Edward C.
3RJ	LaRue, Robert G.	3TR	Fell, David B.
3RK	Meyer, Howard J.	3TS	Turner, Alfred W.
3RL	McClellan, Frederick W.	3TT	Kindt, Charles F., jr.
3RM	Phillips, Albert L.	3TU	McAnally, Charles G.
3RN	Ramsey, Howard N.	377	Blanford, Irving.
3RO	Garver, Edwin H.	3TW	Leslie, Malcolm C.
3RP	Kirby, Elmer S.	3TX	Philadelphia Turngemeinde
3RQ	Haas, Jerome S.	amv.	Club.
3RR	Roeller, Harold C.	3 TY 3 TZ	Krone, Julian E.
	Vollten, Theodore F.	014	Kellert, Charles.
3RU 3RV	Hoff, J. Marshall. Hammill, McClintock, jr.	3UA	Gilbert, Harry P., jr.
3RW	Redgrave, deWitt C.	3UC	Howell, S. Van S.
3RX		3UD	Mundy, Elmer.
OIVA	· Hibroy, I aut II.	501	· manay, minor.

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
3UF	Howlett, Joseph T. F.	3VN	Ways, Clarence I.
3UG	Dearden, Rowland R., 3d.	3VP	Rothman, Charles.
3UH	Rivers, William L.	3VQ	Uphoff, Frank B.
3UI	George, John R.	3VŘ	McVicker, W. Patton.
3UJ	Campbell, James D.	3VS	French, Edward R., jr.
3UK	Peyser, Philip S.	3VT	Seidenberg, Frank.
3UL	Lyon, Raymond S.	3VU	Nikirk, Thomas E.
3UM	Durham, Edmund B.	3VV	Rose, Harold W.
3UN	Carpenter, C. Ellwood, jr.	3VW	Uphoff, Frank B.
3UO	Radio Apparatus Co. of	3VX	Flounders, Newton.
	America.	3VY	Beresford, Rees H.
3UP	Howlett, Joseph T. F.	švž	Orlando, Frank.
3UQ	Howlett, Joseph T. F.	• • •	,
3UŘ	Cohan, William W.	3WA	Beck, Russell G.
3US	Holcombe, Alex. H., jr.	3WB	Frye, Marcus, jr.
3UT	Cianfrani, Theodore.	3WD	Moyer, Luke I.
3ŬŪ	Schuck, Leon H.	3WE	Wohlford, John F.
3UV	Ross, John W.	3WF	Huyler, Rollin M.
3UW	Call, J. Richard.	3WH	Wood, Horace.
3UX	Loughlin, John K.	3WJ	Alden, John H.
3UY	Gordon, Horace W.	3WK	Slifer, Wallace P.
3UZ	Braidwood, Thomas W.	3WL	Davis, Raymond.
	,	3WM	Cloman, William E.
3VA	Durham, Wilson N.	3WN	Gaty, John P. and Lewis R.
3VB	Reuther, Harry R.	3WO	Goodwin, Harold F.
3VC	Rancetelli, Ernani.	3WP	Cox, T. Newell.
3VD	Lamb, Franklin.	3WQ	Lower Marion High School.
3VE	Brenner, Samuel.	3WŘ	Pyle, W. A. Faries.
3VF	Tompkins, E. Randolph.	3WS	Beaumont, Robert H.
3VG	Wood, Frederick B.	3WT	Young, Walter T.
3VH	Stickell, Daniel R.	3WU	Kressel, Gordon.
3VI	Egner, John.	3WV	Becker, Frank F.
3VJ	Harvey, Edmund H.	3WW	Bernert, Joseph, jr.
3VK	Griffith, Dorsey J.	3WX	Goebel, Eugene S.
3VL	Bernstein, Abe R.	3WY	Basford, Robert F.
3VM	Baynes, Ralph J.	3WZ	Delbert, Simon, jr.

FOURTH DISTRICT.

[Headquarters: Customhouse, Savannah, Ga. The fourth district comprises the States of North Carolina, South Carolina, Georgia, Florida, and the Territory of Porto Rico.]

ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power.
		- Let Alexander	Watts.
4CU	Allen, Glenn L	St. Petersburg, Fla	125
4CB	Allston, William F	8 Colonial St., Charleston, S. C	344
4BA	Avant, Marion C	806 N. 4th St., Wilmington, N. C	200
4CA	Babington, Kenneth	Gastonia, N. C.	48
4BZ	Barber, Edward D	508 13th St., Columbus, Ga	165
4BX	Blackburn, Henry E	1416 Price St., Savannah, Ga	88
4CQ	Blankenship, Elliott E.	803 W. Monroe St., Jacksonville, Fla	24
4CC	Bowles, Raymond A	1909 10th Ave., Columbus, Ga	250
4CH	Brannon, Stephen G	208 13th St., Columbus, Ga	250
4CS	Buck, C. Howard	St. Petersburg, Fla	36
4CI	Carr, John M	821 1st Ave. N., St. Petersburg, Fla	36
4CK	Clodfetter, Charles W	41 S. Pleasant St., Winston-Salem, N. C.	555

AMATEUR RADIO STATIONS—FOURTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued. .

Call signal.	Owner of station.	Location of station.	Power.
	A Contact		Watts.
4CE	Conn, Albert L	75 4th Ave. N., St. Petersburg, Fla	440
4BN	Cross, K. E	Port Tampa, Fla	50
4BF	Dane, Seymour	1140 13th St., Miami, Fla	500
4AE	Davis, Loren V	St. Petersburg, Fla	60
4AZ	Dunk, Thomas R	1424 Laura St., Jacksonville, Fla	550
4CN	Falks, Robert L	87 Mary St., Waycross, Ga	36
4BE	Fowler, Carl A	S. N. S. Station, Athens, Ga	500
4CM	French, William A., 3d	107 S. 4th St., Wilmington, N. C	20
4AI	Gibson, Isaac A., jr	403 E. Bolton St., Savannah, Ga	24
4AX	Gordon, Clarence M	Ocilla Ga	990
4CP	Guimaraes, Abilio S	298 Highland Ave., Atlanta, Ga	500
4BJ	Hall, Edward R	532 Beach Drive, St. Petersburg, Fla	70
4BR	Hamilton, George H	209 W. Gordon St., Savannah, Ga	50
4BY	Herzog, Max A	16 Faith Ave., Atlanta, Ga	18
4CO	Howald, George A	Decatur, Ga	250
4AF	Humphrey, Arthur L	1105 Market St., Wilmington, N. C	500
4CG	Hussey, J. A	402 Hall St. W., Savannah, Ga	350
4CF	Keen, David W	117 5th St. N., St. Petersburg, Fla	33
4CR.	Keiger, J. Lee	1140 Balsley St., Winston-Salem, N. C	3
4BI	Kreis, Joseph W., jr	655 S. Pryor St., Atlanta, Ga	3
4AL	Kruger, Charles E	11 Bates Ave., Kirkwood, Ga	500
4BR	Leonard, Rudolph	, 209 W. Gordon St., Savannah, Ga	50
4AQ	Marsh, William A	R. F. D. No. 1, Miami, Fla	3
4BL	Matheson, Hugh M	Key Biscayne, Fla.	3
4AU	Matheson, Hugh M	Cocoanut Grove, Fla.	3
4CT	McIlvaine, Victor C	208 Verne St. Tampa Fla	25
4BG	McMillan, Drayton A	208 Verne St., Tampa, Fla. Bamberg, S. C. 627 Margaret St., Key West, Fla. College Park, Ga.	1
4AB	Meltzer, Isador	627 Margaret St. Key West. Fla	22
4CL	Merriam, Francis F	College Park Ga	25
4CJ	Morgan, Sidney S	1821 W. Broad St., Savannah, Ga	30
4AA	Pope, Wilbur B	197 Dearing St., Athens, Ga	43
4BT	Powell, Dwight E	715 E. Washington St., Orlando, Fla	3
4BB	Rankin, Robert G., jr	3 N. 9th St., Wilmington, N. C.	1
4AC	Rice, Elmer L	1702 E. Duval St., Jacksonville, Fla	55
4BK	Simons, Mayrant	Summerville, S. C.	1,00
4CV	Smith, James E	Townsville, N. C.	1,00
4AO	Smoot, Lloyd D	1443 Laura St., Jacksonville, Fla	550
4AW	Wall, Patrick H	258 Plant Ave., Tampa, Fla	996
4AG	West End Wireless Club.	105 Lawton St., Atlanta, Ga	100
4AK	Whiting, Charles T	R. F. D. No. 6, Gainesville, Fla.	77
4AP	Whittaker, Alan D., jr		88
4BH	Wikle, James R	221 E. 10th St., Atlanta, Ga	30
TOIL	wikie, James It	619 S. Pryor St., Atlanta, Ga	30

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.
4AA	Pope, Wilbur B.	4AQ.	Marsh, William A.
4AB	Meltzer, Isador.	4AŬ	Matheson, Hugh M.
4AC	Rice, Elmer L.	4AW	Wall, Patrick H.
$4\Lambda \mathbf{E}$	Davis, Loren V.	4AX	Gordon, Clarence M.
4AF	Humphrey, Arthur L.	4AZ	Dunk, Thomas R.
4AG	West End Wireless Club.		,
4AI	Gibson, Isaac A., jr.	4BA	Avant, Marion C.
4AK	Whiting, Charles T.	4BB	Rankin, Robert G., jr.
4AL	Kruger, Charles E.	4BE	Fowler, Carl A.
4AO	Smoot, Lloyd D.	4BF	Dane, Seymours.
4AP	Whittaker, Alan D., jr.	4BG	McMillan, Drayton A.

AMATEUR RADIO STATIONS—FOURTH DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
4BH 4BI 4BJ 4BK 4BL 4BN 4BR 4BR	Wikle, James R. Kreis, Joseph W., jr. Hall, Edward R. Simons, Mayrant. Matheson, Hugh M. Cross, K. E. Hamilton, George H., and Leonard, Rudolph. Powell, Dwight E. Blackburn, Henry E. Herzog, Max A.	4CF 4CG 4CH 4CJ 4CJ 4CK 4CL 4CM 4CN 4CN 4CO 4CP	Keen, David W. Hussey, J. A. Brannon, Stephen G. Carr, John M. Morgan, Sidney S. Clodfetter, Charles W. Merriam, Francis F. French, William A., 3d. Falks, Robert L. Howald, George A. Guimaraes, Abilio S.
4B Z	Barber, Edward D.	4CQ 4CR	Blankenship, Elliott E. Keiger, J. Lee.
4CA	Babington, Kenneth.	4CS	Buck, C. Howard.
4CB	Allston, William F.	4CT	McIlvaine, Victor C.
4CC	Bowles, Raymond A.	4CU	Allen, Glenn L.
4CE	Conn, Albert L.	4CV	Smith, James E.

FIFTH DISTRICT.

[Headquarters; Customhouse, New Orleans, La. The fifth district comprises the States of Alabama, Mississippi, Louisiana, Texas, Tennessee, Arkansas, Oklahoma, New Mexico.]

ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power.
5AC	Agricultural & Mechanical College.	College Station, Texas.	Watts.
5AJ	Antony, Willie	1906 Laurel St., Shreveport, La	1,000
5BD	Asdorin, Levon	1529 Calliope St., New Orleans, La	25
5BF	Behre, Joseph C	1012 Kerlerec St., New Orleans, La	250
5AR	Beynon, Eugene T	Rockport, Texas	400
5CU	Booth, Daniel M	318 S. Claiborn St., Mobile, Ala	100
5CO	Bowling, James A	1212 Prairie Ave., Houston, Texas	24
5BW	Brown, Max T	1017 Cumberland St., Little Rock, Ark	60
5AM	Brownell, Harold S	1512 Phelan St., Birmingham, Ala	500
5BQ	Campbell, Gregory D	Beeville, Texas	30
5CQ	Casey, Robert H	606 N. Maine St., Cleburne, Texas	770
5CT	Churchill, Charles W	Caldwell, Texas	300
5BV	Clayton, John M	1301 Welch St., Little Rock, Ark	450
5CR	Cochran, George D	1920 Alabama Ave., Bessemer, Ala	250
$5\mathrm{BJ}$	Corlett, Frank M	1101 E. 8th St., Dallas, Texas	1,000
5CK	Cox, Houston A	524 Jackson St., Starkville, Miss	1,000
5BR	Curtis, Earnest M	350 Selma St., Mobile, Ala	440
5AU	Darwin, Tyler	1205 N. 9th St., Waco, Texas	30
5AA	Deeley, Paul M	535 Proctor St., Waco, Tex	950
5CG	Dibble, George B	112 Martha St., Montgomery, Ala	
5AQ	Goldstein, Henry R	1819 Octavia St., New Orleans, La	200
5AS	Goodman, Louis N	300 E. Main St., Starkville, Miss	1,000
5BI	Harrison, Jackson W	800 Highland Ave., Montgomery, Ala	- 770
5CH	Hecker, Joseph L	1911 Mandeville St., New Orleans, La	50
5AI	Ince, Carl	602 N. Findly St., Norman, Okla	30
5AZ	James, Russell R	321 W. Montgomery St., Memphis, Tenn.	500
5AG	Johannsen, John, jr	Lafayette Ave. and Miro St., New Orleans, La.	20
5CI	King, William J	462 Pine St., New Orleans, La	750
5CM	Kirchner, Otto E	18 Terrell St., Mobile, Ala	12
5BK	Leroy, Louis	1005 Rayner Ave., Memphis, Tenn	1,000
5AV	Macke, William, jr	2414 Painter St., New Orleans, La	450

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
5BL	Marks, George M., jr	615 S. Perry St., Montgomery, Ala	220
5CV	Martin, Roy	100 W. Lampkin St., Starkville, Miss	3
5BS	McLain, Robert M	513 W. Clinton St., Huntsville, Ala	1,000
5AO	Mercier, Walter H	1640 Carrollton Ave., New Orleans, La	330
5BE	Mollenhauer, Arthur E.	Grand Ave., New Braunfels, Tex	800
5CP	Moore, Frank C	7509 St. Charles Ave., New Orleans, La	110
5BH	Nebe, Harold G	402 Nashville Ave., New Orleans, La	20
5CB	Nelson, Paul E	1012 S. 18th St., Fort Smith, Ark	18
5CE	Preis, Robert J	4433 S. Rampart St., New Orleans, La	
5BC	Reynolds, Gordon P., jr.	906 Arabella St., New Orleans, La	18
5AD	Rorshach, Harold E	619 North E St., Muskogee, Okla	870
5BN	Salzer, Harry S	2322 N. Villere St., New Orleans, La	450
5BY	Sams, Ernest E	508 Market St., Muskogee, Okla	15
5CC	Seiple, Gus A., jr	55 Parham St., Mobile, Ala	495
5CJ	Sharp, Harry M	Central High School, Memphis, Tenn	1,000
5AE	Snarr, Kenneth A	1200 S. 10th St., Fort Smith, Ark	385
5AT	Stone, Frank M	7919 Jeannette St., New Orleans, La	1,000
5AW	Stough, Robert A	R. F. D. No. 1, Fort Smith, Ark	750
5BU	Sweetman, Frank M	930 N. 11th St., Waco, Texas	330
5AP	Thompson, Vance M	267 Pasadena Pl., Memphis, Tenn	660
5CD	Tisdel, William L	814 W. Okmulgee Ave., Muskogee, Okla.	15
5BA	Toups, Roy N	1512 Ursuline St., New Orleans, La	125
5CF	Uhalt, William J	5933 Constance St., New Orleans, La	500
5CA	Wilson, Harry T	898 Saxon Ave., Memphis, Tenn	250
5CN	Worner, Urban D	1052 City Park Ave., New Orleans, La	495

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.
5AA	Deeley, Paul M.	5BN	Salzer, Harry S.
5AC	Agricultural and Mechanical	5BQ	Campbell, Gregory D.
	College of Texas.	5BR	Curtis, Earnest M.
5AD	Rorshach, Harold E.	5BS	McLain, Robert M.
5AE	Snarr, Kenneth A.	5BU	Sweetman, Frank M.
5AG	Johannsen, John, jr.	5BV	Clayton, John M.
5AI	Ince, Carl.	5BW	Brown, Max T.
5AJ	Antony, Willie.	5BY	Sams, Ernest E.
5AM	Brownell, Harold S.	5CA	Wilson Hower T
5AO	Mercier, Walter H.	5CB	Wilson, Harry T.
5AP	Thompson, Vance M.	5CC	Nelson, Paul E. Seiple, Gus A., jr.
5AQ	Goldstein, Henry R.	5CD	Tisdel, William L.
5AR	Beynon, Eugene T.	5CE	Preis, Robert J.
5AS	Goodman, Louis N.	5CF	Uhalt, William J.
5AT	Stone, Frank M.	5CG	Dibble, George B.
$5\mathrm{AU}$	Darwin, Tyler.	5CH	Hecker, Joseph L.
5AV	Macke, William, jr.	5CI	King, William J.
5AW	Stough, Robert A.	5CJ	Sharp, Harry M.
5AZ	James, Russell R.	5CK	Cox, Houston A.
5BA	Toups, Roy N.	5CM	Kirchner, Otto E.
5BC	Reynolds, Gordon P., jr.	5CN	Worner, Urban D.
$\overline{^{5}BD}$	Asdorin, Levon.	5CG	Bowling, James A.
$\overline{^{5}BE}$	Mollenhauer, Arthur E.	5CP	Moore, Frank C.
5BF	Behre, Joseph C.	5CQ	Casey, Robert H.
δB B	Nebe, Harold G.	5CR	Cochran, George D.
5BI	Harrison, Jackson W.	5CT	Churchill, Charles W.
5BJ	Corlett, Frank M.	5CU	Booth, Daniel M.
5BK	Leroy, Louis.	5CV	Martin, Roy.
5BL	Marks, George M., jr.		,,
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AMATEUR RADIO STATIONS-Continued.

SIXTH DISTRICT.

[Headquarters: Customhouse, San Francisco, Cal. The sixth district comprises the States of California, Nevada, Utah, Arizona, and the Territory of Hawaii.]

ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power
			Watts
6LF	Alexander, Lee	182 Flora St., Bell, Cal	
6AAO	Alexander, Willard B	219 W. 24th St., Los Angeles, Cal	44
6PF	Allen, Preston D	1410 West St., Oakland, Cal	55
6SW	Anderson, Elroy E	80 Barson St., Santa Cruz, Cal	25
6VM	Anderson, Herbert E	Lindsay, Cal	22
6AX	Anderson, William A	828 Palos Verdes St., San Pedro, Cal	33
6KY	Andrews, Harold S	2221 W. Jefferson St., Los Angeles, Cal	50
6DM	Archer, Robert P	2912 S. Flower St., Los Angeles, Cal	3
6FA	Arnberger, Frank, jr	3230 Garfield Ave. Alameda Cal	1,00
6UA	Asadoorian, Theodore N.	3230 Garfield Ave., Alameda, Cal	44
6AA	Aster, Alvin K	910 Chestnut St., Alameda, Cal	1,00
6EG	Aten, Arthur B	428 Clark St., Sherman, Cal	25
6IC	Austin, Russell F	210 3d St., Riverside, Cal	25
6QX	Baird, Maxfield A	913 Main St., Carona, Cal	
6VJ	Barbour, Joseph L	217 W. 8th St., Hermosa Beach, Cal	750
6AO	Bargar, Avery E	Lawndale, Cal	1,000
6QL	Barker, Waldo W	331 Lighthouse Ave., Pacific Grove, Cal	440
6PX	Barlow, Roy	4219 Morgan Ava Los Angolos Col	2
6TU	Barnett, Thomas T	4219 Morgan Ave., Los Angeles, Cal	38
6FJ	Barnum, Coit L	3426-A 19th St., San Francisco, Cal 9034 Hillside Ave., Oakland, Cal	1,000
6LB	Barton Larry I	19 Crystal Springs Rd., San Mateo, Cal	
6AAU	Barton, Larry J. Baston, Cyril E.	2965 Wilson St. Fast Can Diego Cal	1,000
6EB	Bazzini, Emil M. H	3865 Wilson St., East San Diego, Cal	2
6AAP		2734 Gough St., San Francisco, Cal	330
6AJ	Beal, Ira A	Campbell, Cal	50
6KZ	Bean, James	755 University Ave., San Jose, Cal	4
6TN	Beaver, Gerald A	1533 Court St., Alameda, Cal	1,000
6NR	Beckman, Philip E	821 14th St., San Francisco, Cal	500
6CU	Belden, Marion	831 4th St., Santa Rosa, Cal	220
SAM	Bell, Albert E	750 Summit Ave., Pasadena, Cal	900
BAAR	Benn, Julius A	237 Devesadero St., San Francisco, Cal	500
BVE	Bennett, Dudley W	Santa Cruz, Col.	100
SLX	Beraldo, Dewey Berlin, Latham	Avalon, Cal	220
SPA	Posley Stephen H	1525 Chestnut St., Alameda, Cal	110
SABM	Besley, Stephen H	171 E. 7th St. South, Salt Lake City, Utah.	500
BEF	Bevitt, Edwin R	3914 3d St., San Diego, Cal	250
SJD	Biddle, Charles J	Berkeley, Cal	250
SAAW	Binney, John	4050 Brighton Ave., Los Angeles, Cal	400
BLA	Blauvelt, Frank E	400 E. Camornia St., Pasadena, Cal	250
BIJ	Blochman, Lawrence G.	3260 1st St., San Diego, Cal.	500
SAH	Boehme, Herbert L	1437 6th St., Santa Monica, Cal.	550
SAL	Botts, James	2644 23d Ave., Oakland, Cal	49
BRA	Brandis, Fred A	214 W. San Carlos St., San Jose, Cal	110
SND	Brandt, Robert L	322 Grand Blvd., San Mateo, Cal	1,000
SDA	Breck, F. Bon	285 Mather St., Oakland, Cal	550
SPZ	Brown, Ralph E	838 E. 22d St., Los Angeles, Cal	275
	Brown, Robert L	634 Franklin St., Napa, Cal	1,000
BAAX BABN	Brunner, John A	1001 Orange St., Redlands, Cal	220
BAWE	Brunner, Albert W	5918 Towne Ave., Los Angeles, Cal	500
BFY	Buckingham, Eldridge	2760 Scott St., San Francisco, Cal	250
RY	Buell, Clarence R	732 56th St., Oakland, Cal.	250
SSO	Bullard, Orlan K., jr Bunting, Howard S	1655 10th St., San Diego, Cal.	550
	Dunting, Howard S	109 Forest Ave., Pacific Grove, Cal	1,000
BJ	Bunting, Lawrence	Centerville, Cal	500
BDZ	Caldwell, Duncan K	427 Crane Ave., Turlock, Cal	330
SNX	Calvert, Paul P	124 W. Hazel St., Inglewood, Cal	1,000
SWZ	Capps, Delphin J	710 Peninsula St., Burlingame, Cal	1,000

Call signal.	Owner of station. Location of station.		Power.	
30%		23	Watts.	
6AC	Capwell, Cebert E	Monte Cresta Ave. and Kelton Court, Oakland, Cal.	500	
6AAZ	Carvill, Glenn A	Lomita, Cal	990	
6QJ	Chamberlain, George E	121 N. 6th St., Sawtelle, Cal	1,000	
6IE	Chambers, James	427 Bank St., San Francisco, Cal		
6CE	Clark, J. R	2318 Bryant St., San Francisco, Cal	880	
6AU	Clark, Paul U	898 S. 8th St., San Jose, Cal	18	
6NC	Clayberg, William J	101 Isabel St., San Francisco, Cal	50	
6MK	Coates, Walton L	3766 Chamcune Ave., East San Diego, Cal.	50	
6AAF	Collins, Wayne A	788 19th St., Oakland, Cal	25	
6LC	Comins, Frank L	634 Balboa St., San Francisco, Cal	50	
6ABA	Connolly, Norman, jr	3738 Cherokee St., East San Diego, Cal	44	
6CW	Cook, George W	208 27th St., Ogden, Utah	250	
6OD	Cook, John A	1504 Locust St., Long Beach, Cal	250	
6DI	Cookson, Howard A	361 14th Ave., San Francisco, Cal	55	
6CA 6WC	Corby, Grant W	1129 W. 6th St., Los Angeles, Cal	330	
	Cornish, Warren D	107 3d St., Pacific Grove, Cal	1,000	
6CL 6WQ	Cosby, Mark B Cowles, John	356 Hobart Ave., Los Angeles, Cal	100 500	
6AAY	Croix Corl D	28 Butler Ave., San Francisco, Cal	1,000	
6UP	Craig, Carl D Creswell, Frank, jr	142 N. Workman St., Los Angeles, Cal 831 W. 58th Pl., Los Angeles, Cal	1,00	
6NJ	Cunningham, Edward J.	Santa Clara, Cal	33	
6GD	Day, Elwin C	4304 19th St., San Francisco, Cal	50	
6FD	Deardorf, Francis H	Los Altos, Cal.	1	
SAQ	De La Cruz, George	706 W. San Carlos St., San Jose, Cal	i	
6UJ	Delius, Herbert A	2057 Alameda Ave., Alameda, Cal	50	
6EN	de Neuf, Emil A	1538 Russell St., Berkeley, Cal	50	
6KA	de Neuf, Emil A Dickey, Herbert A	122 Dracena Ave., Piedmont, Cal	27	
6HD	Dickow, Henry W	413 26th Ave., San Francisco, Cal	500	
6KL	Diehl, Fred	348 Coleridge St., San Francisco, Cal	100	
6OK	Dillon, Lyle	317 S. Norton Ave., Los Angeles, Cal	750	
6KE	Dogan, Kenneth	1115 Cole St., San Francisco, Cal	50	
6WP	Donelson, William E., jr.	1215 West Ave., Eureka, Cal	57	
6VN	Dorcy, Ben H., jr Dow, Clifford J	190 Ocean View Ave., Santa Cruz, Cal	25	
6ARD	Dow, Clifford J	Rye, Cal	1,000	
STD	Dowling, Thomas L Downs, Robert F Drath, Walter J	1520 E. 17th St., Oakland, Cal	10	
6RG	Downs, Robert F	1062 10th St., San Diego, Cal	50	
6PO	Drath, Walter J	682 34th St., Oakland, Cal.	250	
6AHT	Dulin, Flederick J	169 Ellington Ave., San Francisco, Cal	150	
6KD 6WX	Dutton, Kingsley	1447 Salem St., Glendale, Cal	550	
6EK	Ebert, Howard W	455 Orchard St., San Jose, Cal	450	
6TE	Eiferle, Chrissie Eisenhuth, Thomas V	2138 McKinley St., Berkeley, Cal	50	
6ALC	Eriksen, Elwood C	358 Lisbon St., San Francisco, Cal	250	
6DL	Espe, Oliver E	4326 S. Grand Ave., Los Angeles, Cal	500	
6ST	Evans, Bryan	123 E. Cantonment St., San Francisco,	37	
6ABO	Evans, Charles C	Cal. 4835 Idaho St., San Diego, Cal	50	
6FI	Eveleth, Harlan A	2805 Russell St., Berkeley, Cal	1,00	
6UT	Everard, Charles E	895 E. 56th St., Los Angeles, Cal	440	
6UY	Everharty, Laurence Farmer, Gordon Farrell, Raymond	2320 E. 3d St., Los Angeles, Cal		
6GF	Farmer, Gordon	Burbank, Cal	5	
6TR	Farrell, Raymond	2326 Pacific Ave., Alameda, Cal	1,00	
6IF	Karwell vvn	2230 9th St., Berkeley, Cal	50	
6ET	Fenner, Paul R Ferrero, Henry D	1338 Masonic Ave., San Francisco, Cal	50	
6CO	Ferrero, Henry D	43 Vallejo St., Napa, Cal	21	
6HV	Ferrill, Herbert E	Bostonia, Cal	50	
6SQ	Fonseca, Arthur	2610 Valdez St., Oakland, Cal	300	
6WF	Ford, Walter B	3653 Arnold St., San Diego, Cal.	500	
6JF	Forsburg, Jos. A	1734 Sonoma Ave., Berkeley, Cal	5	

Call signal.	Owner of station.	Location of station.	Power.
eNO	Francis, Ernest R	Mountain View Cal	Watts.
6NQ 6FK	Frank, Walter H	Mountain View, Cal	500
6UM	Freeman Elmer D	Nordhoff, Cal.	120
6FX	Freeman, Elmer D Frizzi, William	Larkspur, Cal.	200
6BK	Frost, William H	473 Minor Ave., San Jose, Cal.	20
6AAE	Garcia, David	932 B St., Petaluma, Cal	500
6UH	Gates, Howard C	Pomona, Cal	1,000
6NG	Gerlach, Leonard J	Point Richmond, Cal	850
6US	Gerlach, Leonard J Gibson, Walter L Gilbert, Phillip H	2324 Dennison St., East Oakland, Cal	250
6AAG	Gilbert, Phillip H	387 W. 8th St., Pomona, Cal	1,000
6ABB	Gilbert, Samuel A	Altadena, Cal	360
6QK	Gill, Fred M	2715 4th St., Ocean Park, Cal	990
6AAH	Gilstrap, L. Frederick	517 N. Curtis Ave., Alhambra, Cal	500
6BM	Godwin, Merle H	19 Grigsby Court, Napa, Cal	250
6UZ '	Gosmann, Jack L	2389 W. 31st St., Los Angeles, Cal	250
6GO	Goss, William M	516 Bath St., Santa Barbara, Cal	500
6VC	Gottwald, Eugene A	404 S St., Eureka, Cal	250
6LP	Gray, Clifford L	Stevens Creek Rd., San Jose, Cal	180
6AAK	Green, Carl V., jr	317 E. 49th St., Los Angeles, Cal	550
6GC 6AR	Greene, Harry A	313 Lighthouse Ave., Monterey, Cal 516 W. San Carlos St., San Jose, Cal	330 250
6AAI	Greenquist, Elmer A	1011 Orchard St., Santa Rosa, Cal	40
6VF	Gregory, Merle M Griffin, Earl E	Pomona, Cal	18
6LL	Griffith, William M	737 Shrader St., San Francisco, Cal	500
6DH	Grimes W Frank	103 N. Pasadena Ave., Pasadena, Cal	1,000
6TL	Grimes, W. Frank Grow, Frank	232 Lake Shore Ter., Los Angeles, Cal	600
6DP	Grundell, Herbert	285 11th St., San Pedro, Cal	1,000
6DN	Guidotti, William F	745 W. San Fernando St., San Jose, Cal	350
6RI	Hanchett, Robert J	Nestor Cal	100
6KV	Hanchett, Robert J Hankins, Marvin J	448 6th St., San Pedro, Cal.	250
6AHR	Hanson, Marion G	1107 72d Ave., Oakland, Cal	500
6TZ	Harmon, Orville A	2742 35th Ave., Oakland, Cal	500
6AJA	Harris, Howard D	Ogden High School, Ogden, Utah	550
6HG	Hart, Gardner L	422 22d St., San Diego, Cal	500
6CG	Harty, Courtenay E	5167 S. Wilton Pl., Los Angeles, Cal	220
6IH	Hazleton, Ralph L	51 Pryce St., Santa Cruz, Cal	250
6UK	Heald's Business College	San Francisco, Cal	500
6AAC 6DB	Heaney, Clarence M	374 22d Ave., San Francisco, Cal.	500
6ABC	Heitshusen, Dick	115 Hermina St., Anaheim, Cal	500 500
6AAB	Hellikson, Vivian L Hemenway, Clyde C	1230 W. 49th St., Los Angeles, Cal	500
6CN	Hendrix Charles F	2214 E. Damon St., Los Angeles, Cal	500
6HN	Hendrix, Charles F Henrich, Richard W	1 Park Pl., Point Richmond, Cal	100
6VQ	Herup, Vilhelm C	72 Lundy Lane, San Francisco, Cal	100
6UL	Herzog, Aurelius	1468 La Playa St., San Francisco, Cal	125
6ABD	Hess, Howard P	302 N. Mentor Ave., Pasadena, Cal	550
6DC	Hibbard, Charles H., jr	156 Bellefontaine St., Pasadena, Cal	500
6CC	Hilleary, Frank J	2600 E. 2d St., Los Angeles, Cal	400
6HH	Hollingsworth, D. R	808 Humboldt St. Santa Rosa Cal	250
6EJ	Houtz, Eugene R	1544 Webster St., Oakland, Cal	125
6ABE	Hovgaard, Irvin C	18 W. Cedar St., Eureka, Cal	45
6SI	Hoyt, Leander L	248 Main St., Hayward, Cal	500
6LH	Hunt, Lloyd F	Lenox, Cal	495
6IR	Irey, Earl R		500
6LI	Isaacs, Louis R Jennings, John W	1200 Regent St., Alameda, Cal	1,000
6JK 6BO	Johnson Albort N	3427 30th St., San Diego, Cal	100
6TP	Johnson, Albert N Johnson, Harold M	109 Morel St., Los Angeles, Cal	250 11
6MY	Johnston, Robert	734 K St., Eureka, Cal.	500

Call signal.	Owner of station.	Location of station.	Power
			Watts
6OM	Kaufmann, Irwin L	56 20th Ave., San Francisco, Cal	50
6UF	Kemp, Thomas J	950 Atlantic Ave., Long Beach, Cal	50
6JA	Knight, James B	125 Stanislaus Ave., Modesto, Cal	99
6UE	Kramer Augustus A	1605 6th St., Coronado, Cal	50
6HK	Kramer, Augustus A Krauter, Howard R	850 W. 43d Pl., Los Angeles, Cal	99
	Krauter, Howard R	Described D.J. Con Jose Col.	
6JC	Kulish, John J., jr	Branham Rd., San Jose, Cal	2
6TM	Lee, Howard R	1580 Grove St., San Francisco, Cal	50
6VO	Lee, John A	134 N. Johnston St., Los Angeles, Cal	1,00
6IZ	Leeper, Ernest W	648 4th St., San Bernardino, Cal	1,00
6EL	Le Fevre, Eugene	243 Bonview Ave., San Francisco, Cal	33
6WL	Leland, Wallace H	912 Indian Rock Ave., Berkeley, Cal	1.00
6EC	Leland, Wallace H Lewis, Harrison E	3299 Buggs Ave., Alameda, Cal	6
6LE	Lewis, Tony D	1054 Cotton St., Oakland, Cal	10
		416 Winone Ave Pesadone Col	25
6HL	Linhoff, Harold R	416 Winona Ave., Pasadena, Cal	
6AAJ	Linville, Charles R	307 N. Curtis Ave., Alhambra, Cal	5
6JN	Livesay, J. Russell	Los Altos, Cal	1
6MH	Logan, Hugh H	1519 Grammercy Pl., Los Angeles, Cal	10
100	Long Beach Polytechnic		
955	School. See Polytech-	Y. Carlotte and the second sec	
Willey I.	nic High School.		
6VX	Loos, William V	512-A E. 11th St., Los Angeles, Cal	22
6LO	Lory, C. S	3839 7th St., San Diego, Cal	2
6VD	Loudon, Donald F	3904 Ibis Court, San Diego, Cal	10
	Lunder Elmon C	500 N 17th St San Iogo Cal	15
SCY	Lundy, Elmer C Lyon, John D	592 N. 17th St., San Jose, Cal	
SAAL	Lyon, John D	1141 Mendocino St., Altadena, Cal	50
6MD	MacFarlane, Thomas R	954 S. Kingsley Drive, Los Angeles, Cal	44
6GM	Mackin, George R	88 Peralta Ave., San Francisco, Cal	55
6MV	MacMullen, Gerald	382 Glorietta Blvd., Coronado, Cal	25
6MN	Maher, Edward T	3409 Grove St., Oakland, Cal	25
6AAD	Mahn, Erich G	29 Saturn St., San Francisco, Cal	3
6WT	Mann, Frank W	Saratoga, Cal	10
6OX	Martin, Andrew W., jr	894 Waller St., San Francisco, Cal	50
	Martin, Andrew W., Jr	2010 Delement St. Derkeler Col	50
6KS	Martin, Neal D	2018 Delaware St., Berkeley, Cal	
6DY	Mattox, Harry D	260 W. 11th St., Pomona, Cal	55
6UW	Maynes, Walter W	1818 Francisco St., Berkeley, Cal	49
6MJ	McConnell, Emmett W	1818 Francisco St., Berkeley, Cal 2703 Forest Ave., Berkeley, Cal	33
6IX	McCreery, Maurice McDonald, Byron C	700 W. 32d St., Los Angeles, Cal	50
6PJ	McDonald, Byron C	85 S. El Molino St., Pasadena, Cal	1,00
6TO	McFern, Arthur L	1652 Berendo St., Los Angeles, Cal	50
6MC	McGown, Dudley B	1247 47th Ave., San Francisco, Cal	50
6HJ	McIntosh, Harold S	249 Bixel St., Los Angeles, Cal	70
The same of the sa		594 W 40th St. Los Angolos Col	40
6ABG	McLaren, Alfred	534 W. 49th St., Los Angeles, Cal	
6QY	Miley, Jerome	585 Bellefontaine Ave., Pasadena, Cal	30
6RJ	Miller, Roy A	R. F. D., Ione, Cal	55
6KT	Miller, Walter G	18 Hester Ave., San Jose, Cal	1
6KJ	Miller, Walter G Mills, Eldon C	425 Orchard St., San Jose, Cal	
6BU	Mills, Harry D	245 Lime St., Riverside, Cal	28
6RC	Moelris, Russell	63 N. State St., Murray, Utah	25
6BI	Moore, Ezra	108 11th St., Redlands, Cal.	50
BABF	Moore, Walter	108 11th St., Redlands, Cal	18
Station of the same	Momorr Torres W	200 god Gt Ookland Cal	1, 00
6SS	Morrow, James W	389 63d St., Oakland, Cal	
6WM	Morse, Willard A	2409 Valdez St., Oakland, Cal	50
6VY	Morton, J. Walter Mount Tamalpais Mili-	610 Bellefontaine Ave., Pasadena, Cal	22
6MT	Mount Tamalpais Mili-	San Rafael, Cal	10
DOTE:	tary Academy.		
6DK	Mundt, Carlos S	2418 Eagle Ave., Alameda, Cal	28
6QG	Nelson, Martin A	1075 Alverado St., San Leandro, Cal	1,00
6PN	Nesbit, Paul T	R. F. D. No. 1, Acampo, Cal	25
	Norman Harald I		50
6AHN	Newnan, Harold L	2242 San Jose Ave., Alameda, Cal	
6NF	Newton, Francis L	334 Pala Ave., Piedmont, Cal	1:

Amateur Radio Stations—Sixth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
4770	N . T C		Watts.
6HQ	Newton, Henry G	Coronado, Cal	80
6WK	Nickels, Lee	985 8th St., Oakland, Cal	500
6OR	Nielsen, Fred J Nielson, Anders	136 Caine Ave., San Francisco, Cal	500 200
6NA 6NI	Nilli, Emil	829 Athens Ave., Oakland, Cal	60
6RN	Norton, Russell	825 1st St., Napa, Cal.	30
6PT	Nulsen, William B	545 San Benito St., Los Angeles, Cal	500
6UC	Nusser, George F	309 N. Union Ave., Los Angeles, Cal	350
6BC	Oldham, William G., jr	720 Healdsburg Ave., Santa Rosa, Cal	500
6LJ	Olmstead, William H	1433 J St., Eureka, Cal	500
6RO	Ormsby, Russell	1624 Chapin St., Alameda, Cal	100
60E	Ostronik, Rudolph	4071 Budlong Ave., Los Angeles, Cal	350
6PE	Ostrowsky, Arthur P	408 E. 61st St., Los Angeles, Cal	990
6LV	Passage, Raye L	1966 Bonita Ave., Los Angeles, Cal	1,000
6VG	Patton, Claude W	195 Hill Ave., Pasadena, Cal	1,000
6ABH	Peacock, Vernon L Peck, W. Frank	16 S. Curtis Ave., Alhambra, Cal	500
6AV	Peck, W. Frank	569 Orange St., Riverside, Cal	500
6OL	Petersen, Odin T	490 48th St., Los Angeles, Cal	500
6LW 6KH	Phelps, Allen G Philippi, Charles	521 17th St., Santa Ana, Cal	770 550
6CP	Pickard, Clifford L	631 Huber Ave., Stege, Cal	250
6IV	Pierson, Walter	Walnut Creek, Cal	250
6UO	Polkinghorn, Frank A	180 W. Date St., Riverside, Cal	150
6LN	Polytechnic High School	Long Beach, Cal.	1,000
6GP	Post, George W	715 Lyon St., San Francisco, Cal	100
6CR	Potter, Lee Roy	Maple and Spadra Sts., Fullerton, Cal	990
6BF	Powell, Meade W	Warren, Ariz	250
6VI	Pressell, Willis R	City Hall, Reno, Nev	500
6QO	Preston, Harold	Hayward, Cal	250
6RV	Querolo, Louis	892 Isabella St., Oakland, Cal	250
6UB	Ray, George	318 7th St., San Pedro, Cal	880
6ABI	Ray, William	318 7th St., San Pedro, Cal	750
6UV 6UR	Reed, Carroll F	683 7th Ave., San Francisco, Cal	495 250
6VH	Richards, Hugh F	Hughson, Cal	330
6ABJ	Root, John Ross, Earl F	711 S. Grand Ave., Pasadena, Cal	50
6GI	Rothe, C. Ernest	86 Viola Ave., San Jose, Cal	440
6HR	Royden, Herbert N., jr	311 Ellsworth Ave,, San Mateo, Cal	1,000
6FT	Rugh, Charles	Los Gatos, Cal	550
6FH	Rutzen, Frank E	175-B Fair Oaks St., San Francisco, Cal	100
6AAV	Ryberg, Walter G Sargent, Edward M	116 Virginia Ave., San Francisco, Cal	500
6SC	Sargent, Edward M	2235 Lake St., San Francisco, Cal	495
6ES	Schaefer, Carl	3118 Stillson Ave., Sacramento, Cal	250
60W	Scheidemantel, Oscar A.	5408 Alvise St., Los Angeles, Cal	550
6VT	Schleicher, Lorenz D	2728 E. 2d St., Los Angeles, Cal	500
6TS 6WS	Schneider, Antone	424 20th Ave., San Francisco, Cal 2716 E. 22d St., Oakland, Cal	330 850
6QZ	Schneider, William P Schwartz, Sylvain A	1726 Sutter St., San Francisco, Cal	1,000
6EA	Seefred, Howard C. and	343 S. Fremont Ave., Los Angeles, Cal.	250
	Lyndon F.		
6TF	Seely, Frank	2615 Etna St., Berkeley, Cal	500
6CT	Seidel, William E	2717 Brighton Ave., Los Angeles, Cal	500
6NT	Selby, Charles J	3316 Market St., Oakland, Cal	550
6UU	Shaffner, Lucius L	1320 Illinois St., Los Angeles, Cal	500
6BP	Shannon, Leslie	334 W. Murray St., Eureka, Cal	90
6UN	Shaw, William A	924 26th St., San Diego, Cal	550
6SH	Shippam, Cecil H	3049 I St., San Diego, Cal	550
6FS	Short, Frank A	846 Walnut St., Riverside, Cal	270
6KO 6JS	Short, Ralph R	160 Dearborn St., Pasadena, Cal	1,000
CI WO	Diversificity Definition .	1 002 W. 024 Dt., 100 Allgeles, Util	. 90

Amateur Radio Stations—Sixth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	l'ower.
Can signal.		Docation of Station.	
6VR	Sisson, Waldo L	229 S. Cummings St., Los Angeles, Cal	Watts. 550
6SK	Skaale, Arthur J	2937 Martinez Ave., Berkeley, Cal	250
6LS	Smelser, Laurel J	318 2d St., Napa, Cal.	500
6FN	Smith, Harry T	1030 59th St., Oakland, Cal	1,000
6TV	Soprano, Anthony	245 Clement St., San Francisco, Cal	250
6AS	Soules, Érnest H	75 Bush St., San Jose, Cal	27
6TG	Speir, Godfrey B	2731 Dwight Way, Berkeley, Cal	500
6OJ	Spencer, Oscar J	35 Douglass St., San Francisco, Cal 315 W. 51st Ave., Los Angeles, Cal	90
6RS	Spring, Fred R	315 W. 51st Ave., Los Angeles, Cal	330
6ABK	Squires, Harold D	306 S. Pierce Ave., Whittier, Cal	200
6TY	Standiford, Vaughn II	382 Central Ave., Pacific Grove, Cal	550
6JR	Stauffer, John	601 Broderick St., San Francisco, Cal	500
6ABL	Stebbins, Charles L	222 Short St., Long Beach, Cal	500
6PW	Stone, Philip B	Murray, Utah	100
6CJ	Stowe, Theodore E	41st Ave., Capitola, Cal.	60
6AB	Street, George	1208 Myrtle St., Oakland, Cal	500
6SZ	Strong, Stuart E	268 Jayne St., Oakland, Cal	1,000
6WG 6FO	Strong, William A Stubbe, Frank A	721 Petaluma Ave., San Rafael, Cal	1,000
6VB	Sundquist, Fred	2629 Mission St., San Francisco, Cal	125
6SU	Sutherland, Clarence	2153 Albee St., Eureka, Cal	990
6AAN	Sykes, Joseph	453 S. Hope St., Los Angeles, Cal	110
6AAT	Szukalski, Joseph P	5610 Mission St., San Francisco, Cal	500
6BW	Taylor, Edwin K	3766 Chamcune Ave., San Diego, Cal	550
6EH	Taylor, Frank G	512 Oak St., San Francisco, Cal	100
6NH	Taylor, Frank G Terrell, Edwin	271 8th St., San Pedro, Cal	110
6HI	Tessien, Henry A	2929 Octavia St., Oakland, Cal	250
6TX	Thacker, Roy M	931 Concord St., Los Angeles, Cal	1,000
6BY	Thacker, Roy M Thorson, Robert W	3616 Felton Ave., Richmond, Cal	880
6JT	Tibbitts, Jonathan C	1246 St. Charles St., Alameda, Cal	250
6KG	Tripp, Dwight K	933 Grammercy Drive, Los Angeles, Cal	550
6CZ	Tubbs, Ernest A	103 Tribune St., Redlands, Cal 840 W. 53d St., Los Angeles, Cal	100
6WE	Tulp, Ralph	840 W. 53d St., Los Angeles, Cal	100
6ABR	Turner, Herbert C Tyler, Otto B	1703 Berendo St., Los Angeles, Cal 352 Illinois St., Pomona, Cal	330 250
6OT 6DT	Underwood, Ernest G	903 E. Commercial St., Inglewood, Cal	250
6GL	Van Auken, George L	San Jose, Cal	200
6ML	Van Manning, Harold	34 Hunolt St., Santa Cruz, Cal	100
6DF	Vogeley, Herbert H	341 Chestnut Ave., Long Beach, Cal	225
6AT	Volkmar, George C. T	203 Bellefontaine St., Pasadena, Cal	250
6VU	Vonderheide, Harold H.	711 Carson St. Carson City, Nev	180
6BA	Vonderheide, Harold H. Wadsworth, Claude E	168 Matheson St., Healdsburg, Cal	250
600	Walden, Myran	1050 48th St., Oakland, Cal	600
60 C	Wallace, Donald C	1431 Linden Ave., Long Beach, Cal	440
6IG	Wallace, Edward A Wallace, Forrest P	138 Water St., Santa Cruz, Cal	1,000
6VV	Wallace, Forrest P	120 S. Monterey St., Alhambra, Cal	550
6TJ	Warner, Stafford W	1829 West St., Oakland, Col.	500
6QW	Waters, John E	2316 Bowditch St., Berkeley, Cal	1,000
6CS	Webber, Franklin C Weddell, Clarence C	236 Walnut St., San Jose, Cal	750 100
6WU 6AN	Weishart Ren	136 S. Lucas St. Los Angeles Cal	250
6VW	Weisbart, Ben	2217 Shattuck St., Berkeley Cal	750
6GW	Werner, George W., jr	2217 Shattuck St., Berkeley, Cal	250
6UX	Whidden, Ira P	1246 Liberty St., Santa Clara, Cal	150
6VA	White, G. Richard	435 Oakland Ave., Pasadena, Cal	250
6DU	Whitworth, George K	265 Mountain Trail, Sierra Madre, Cal	250
6PY	Wight, Ralph W	201 S. Grevilla Ave., Inglewood, Cal	18
6RL	Wiley, Ralph W	1250 26th Ave., San Francisco, Cal	500
6AAM	Willey, Oscar F	292 King St., Santa Cruz, Cal	500
6JL	Williams, John	1202 8th St., Oakland, Cal	270

Amateur Radio Stations—Sixth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
6RZ	Williams, Roy D	554 Pine Ave., Long Beach, Cal	Watts.
6NV	Williams, Theodore T	295 California Ter., Pasadena, Cal	100
6ÜĠ	Williams, Tom A	328 N. Mesa St., San Pedro, Cal	
6BH	Williamson, Harry	10 S. Church St., Redlands, Cal.	15
$60\overline{G}$	Willis, Fred S	2140 California St., Eureka, Cal.	70
6QB	Wilmot, Allen G	2114 3d Ave., Los Angeles, Cal	1,000
6NP	Wilson, J. Vernon	Encanto, Cal	450
6VZ	Winser, Lindley	200 22d St., Bakersfield, Cal	440
6IT	Winship, Leslie W	4820 Jackdaw St., San Diego, Cal	550
6FW	Wisner, Fred L	1346 30th St., San Diego, Čal	495
6SV	Wright, Harlow	Orange Cove, Cal	1,000
6WY	Young, William H	1937 9th Ave., Oakland, Cal	500
6MQ	Zangraft, Thomas J	479 Cypress St., Pasadena, Cal	990

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.
6AA	Aster, Alvin K.	6ABO	Evans, Charles C.
6AAB	Hemenway, Clyde C.	6ABR	Turner, Herbert C.
6AAC	Heaney, Clarence M.	6AC	Capwell, Cebert E.
6AAD	Mahn, Erich G.	6AH	Botts, James.
6AAE	Garcia, David.	6AHN	Newman, Harold L.
6AAF	Collins, Wayne A.	6AHR	Hanson, Marion G.
6AAG	Gilbert, Phillip H.	6AHT	Dunn, Frederick J.
6AAH	Gilstrap, L. Frederick.	6AJ	Bean, James.
6AAI	Gregory, Merle M.	6AJA	Harris, Howard D.
6AAJ	Linville, Charles R.	6AL	Brandis, Fred A.
6AAK	Green, Ćarl V., jr.	6ALC	Eriksen, Elwood C.
6AAL	Lyon, John D.	6AM	Benn, Julius A.
6AAM	Willey, Oscar F.	6AN	Weisbart, Ben.
6AAN	Sykes, Joseph.	6AO	Bargar, Avery E.
6AAO	Alexander, Willard B.	6AQ	De La Cruz, George.
6AAP	Beal, Ira A.	6AR	Greenquist, Elmer A.
6AAR	Bennett, Dudley W.	6ARD	Dow, Clifford J.
6AAT	Szukalski, Joseph P.	6AS	Soules, Ernest H.
6AAU	Baston, Cyril E.	6AT	Volkmar, George C. T.
6AAV	Ryberg, Walter G.	6AU	Clark, Paul U.
6AAW	Blauvelt, Frank E.	6AV	Peck, W. Frank.
6AAX	Brummeler, John A.	6AWE	Buckingham, Eldridge.
6AAY	Craig, Carl D.	6XA	Anderson, William A.
6AAZ	Carvill, Glenn A.	Į.	·
6AB	Street, George.	6BA	Wadsworth, Claude E.
6ABA	Connolly, Norman, jr.	6BC	Oldham, William G., jr.
6ABB	Gilbert, Samuel A.	6BF	Powell, Meade W.
6ABC	Hellikson, Vivian L.	6BH	Williamson, Harry.
6ABD	Hess, Howard P.	6BI	Moore, Ezra.
6ABE	Hovgaard, Irvin C.	6BJ	Bunting, Lawrence.
6ABF	Moore, Walter.	6BK	Frost, William H.
6ABG	McLaren, Alfred.	6BM	Godwin, Merle H.
6ABH	Peacock, Vernon L.	6 <u>B</u> O	Johnson, Albert N.
6ABI	Ray, William.	6BP	Shannon, Leslie.
6ABJ .	Ross, Earl F.	6BU	Mills, Harry D.
6ABK	Squires, Harold D.	6BW	Taylor, Edwin K.
6ABL	Stebbins, Charles L.	6BY	Thorson, Robert W.
6ABM	Bevitt, Edwin R.		
6ABN	Brunner, Albert W.	6CA	Corby, Grant W.

Amateur Radio Stations—Sixth District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
6CC	Hilleary, Frank J.	6GD	Day, Elwin C.
6CE	Clark, J. R.	6GF	Farmer, Gordon.
6CG	Harty, Courtenay E.	6GI	Rothe, C. Ernest.
6CJ	Stowe, Theodore E.	6GL	Van Auken, George L.
6CL	Cosby, Mark B.	6GM	Mackin, George R.
6CN	Hendrix, Charles F.	6GO	Goss, William M.
6CO	Ferrero, Henry D.	6GP	Post, George W.
6CP	Pickard, Clifford L.	6GW	Werner, George W., jr.
6CR	Potter, Lee Rov.		, , , , , , , , , , , , , , , , , , , ,
6CS	Webber, Franklin C.	6HD	Dickow, Henry W.
6CT	Seidel, William E.	6HG	Hart, Gardner L.
6CU	Bell, Albert E.	6HH	Hollingsworth, D. R.
6CW	Cook, George W.	6HI	Tessien, Henry A.
6CY	Lundy, Elmer C.	6HJ	McIntosh, Harold S.
6CZ	Tubbs, Ernest A.	6HK	Krauter, Howard R.
		6HL	Linhoff, Harold R.
6DA	Brown, Ralph E.	6HN	Henrich, Richard W.
6DB	Heitshusen, Dick.	6HQ	Newton, Henry G.
6DC	Hibbard, Charles H., jr.	6HR	Royden, Herbert N., jr.
6DF	Vogeley, Herbert H. Grimes, W. Frank.	6HV	Ferrill, Herbert E.
6DH	Grimes, W. Frank.	at a	A 42. TO .11.TO
6DI	Cookson, Howard A.	6IC	Austin, Russell F.
6DK 6DL	Mundt, Carlos S.	6IE 6IF	Chambers, James.
6DL 6DM	Espe, Oliver E.	6IG	Farwell, Ivyn.
6DM	Archer, Robert P.	6IH	Wallace, Edward A.
6DP	Guidotti, William F. Grundell, Herbert.	6IJ	Hazleton, Ralph L. Boehme, Herbert L.
6DT	Underwood, Ernest G.	6IR	Irey, Earl R.
6DU	Whitworth, George K.	6IT	Winship, Leslie W.
6DY	Mattox, Harry D.	6IV	Winship, Leslie W. Pierson, Walter.
$\mathbf{6DZ}$	Caldwell, Duncan K.	6IX	McCreery, Maurice.
	,	6IZ	Leeper, Ernest.
6EA	Seefred, Howard C. and Lyn-	ł	• '
	don F.	6JA	Knight, James B.
6EB	Bazzini, Emil M. H.	6JC	Kulish, John J., jr.
6EC	Lewis, Harrison E.	6JD	Binney, John.
6EF	Biddle, Charles J.	6JF	Forsburg, Joe A.
6EG	Aten, Arthur B.	6JK	Jennings, John W.
6EH	Taylor, Frank G.	6JL	Williams, John.
6EJ 6EK	Houtz, Eugene R.	6JN 6JR	Livesay, J. Russell.
6EL	Eiferle, Chrissie.	6JS	Stauffer, John. Silvershield, Bernhard J.
6EN	LeFevre, Eugene. deNeuf, Emil A.	6JT	Tibbitts, Jonathan C.
6ES	Schaefer Carl	00 1	l libbitus, sonaulan o.
6ET	Schaefer, Carl. Fenner, Paul R.	6KA	Dickey, Herbert A.
 -	1	6KD	Dutton, Kingsley.
6FA	Arnberger, Frank, ir.	6KE	Dogan, Kenneth.
6FD	Arnberger, Frank, jr. Deardorf, Francis H.	6KG	Tripp, Dwight K.
6FH	Rutzen, Frank E.	6KH	Philippi, Charles.
6FI	Eveleth, Harlan A.	6KJ	Mills, Eldon C.
6FJ_	Barnum, Coit L.	6KL	Diehl, Fred.
6FK	Frank, Walter H.	6KO	Short, Ralph R.
6FN	Smith, Harry T.	6KS	Martin, Neal D. Miller, Walter G.
6FO	Stubbe, Frank A.	6KT	Miller, Walter G.
6FS	Short, Frank A.	6KV	Hankins, Marvin J.
6FT	Ruch, Charles.	6KY	Andrews, Harold S.
6FW	Wisner, Fred L.	6KZ	Beaver, Gerald A.
6FX 6FY	Frizzi, William. Buell, Clarence R.	6LA	Blochman, Lawrence G.
OT. T	Ducii, Clarence IV.	6LB	Barton, Larry J.
6GC	Greene, Harry A.	6LC	Comins, Frank L.
900	GIOCHE, HAILY A.	0110	· Comins, Flank D.

Amateur Radio Stations—Sixth District—Alphabetically by Call Signals—Continued.

	Continued.				
Call signal.	Owner of station.	Call signal.	Owner of station.		
6LE	Lewis, Tony D.	6PO	Drath, Walter J.		
6LF	Alexander, Lee.	6PT	Nulsen, William B.		
6LH	Hunt, Lloyd F.	6PW	Stone, Philip B.		
6LI	Isaacs, Louis R.	6PX	Barlow, Roy.		
6LJ	Olmstead, William H.	6PY	Wight, Ralph W.		
6LL	Griffith, William M.	6PZ	Brown, Robert L.		
6LN	Polytechnic High School.	02.2	210 11 11 12 12 12 12 12 12 12 12 12 12 12		
6LO	Lory, C. S.	6QB	Wilmot, Allen G.		
6LP	Gray, Clifford L.	6QG	Nelson, Martin A.		
6LS	Smelser, Laurel J.	6QJ	Chamberlain, George E.		
6LV	Passage, Raye L.	6QK	Gill, Fred M.		
6LW	Phelps, Allen G.	6QL	Barker, Waldo W.		
6LX	Berlin, Latham.	6QO	Preston, Harold.		
		6QW	Waters, John E.		
6MC	McGown, Dudley B.	6QX	Baird, Maxfield A.		
6MD	Macfarlane, Thomas R.	6QY	Miley, Jerome.		
6MH	Logan, Hugh H.	6QZ	Schwartz, Sylvain A.		
6MJ	McConnell, Emmett W.				
6MK	Coates, Walton L.	6RA	Brandt, Robert L.		
6ML	Van Manning, Harold.	6RC	Moelris, Russell.		
6MN	Maher, Edward T.	6RG	Downs, Robert F.		
6MQ	Zangraft, Thomas J.	6RI	Hanchett, Robert J.		
6MT	Mount Tamalpais Military	6RJ	Miller, Roy A.		
6MV	Academy. MacMullen, Gerald,	6RL 6RN	Wiley, Ralph W.		
6MY	Johnston, Robert.	6RO	Norton, Russell. Ormsby, Russell.		
OMI	Johnson, Twoert.	6RS	Spring Fred R		
6NA	Nielson, Anders.	6RV	Spring, Fred R. Querolo, Louis.		
6NC	Clayberg, William J.	6RY	Bullard, Orlan K, jr.		
6ND	Breck, F. Bon.	6RZ	Williams, Roy D.		
6NF	Newton, Francis L.		, _ , _ , _ ,		
6NG	Gerlach, Leonard J.	6SC	Sargent, Edward M.		
6NH	Terrell, Edwin.	6SH	Shippam, Cecil H.		
6NI	Nilli, Emil.	6SI	Hoyt, Leander L.		
6NJ	Cunnigham, Edward J.	6SK	Skaale, Arthur J.		
6NP	Wilson, J. Vernon.	680	Bunting, Howard S.		
6NQ	Francis, Ernest R.	6SQ	Fonseca, Arthur.		
6NR	Belden, Marion.	6SS	Morrow, James W.		
6NT	Selby, Charles J.	6ST	Evans, Bryan.		
6NV	Williams, Theodore T.	6SU	Sutherland, Clarence.		
6NX	Calvert, Paul P.	6SV	Wright, Harlow.		
6OC	Wallace Donald C	6SW 6SZ	Anderson, Elroy E.		
60D	Wallace, Donald C. Cook, John A.	052	Strong, Stuart E.		
6OE	Ostronik, Rudolph.	6TD	Dowling, Thomas L.		
60G	Willis, Fred S.	6TE	Eisenhuth, Thomas V.		
6OJ	Spencer, Oscar J.	6TF	Seely, Frank.		
60K	Dillon, Lyle.	6TG	Speir, Godfrey B.		
6OL	Petersen, Odin T.	6TJ	Warner, Stafford W.		
6OM	Kaufmann, Irwin L.	6TL	Grow, Frank.		
600	Walden, Myran.	6TM	Lee, Howard R.		
6OR	Nielsen, Fred J	6TN	Beckman, Philip E.		
6OT	Tyler, Otto B.	6TO	McFern, Arthur L.		
6OW	Scheidemantel, Oscar A.	6TP	Johnson, Harold M.		
60X	Martin, Andrew W., jr.	6TR	Farrell, Raymond.		
		6TS	Schneider, Anton.		
6PA	Besley, Stephen H.	6TU	Barnett, Thomas T.		
6PE	Ostrowsky, Arthur P.	6TV	Soprano, Anthony.		
6PF	Allen, Preston D.	6TX	Thacker, Roy M.		
6PJ	McDonald, Byron C.	6TY	Standiford, Vaughn H.		
6PN	Nesbit, Paul T.	6TZ	Harmon, Orville A.		

AMATEUR RADIO STATIONS—SIXTH DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station,	Call signal.	Owner of station.
6UA	Asadoorian, Theodore N.	6VI	Pressell, Willis R.
6UB	Ray, George.	6VJ	Barbour, Joseph L.
6UC	Nusser, George F.	6VL	Kaiser, Erlin.
6UE	Kramer, Augustus A.	6VM	Anderson, Herbert E.
6UF	Kemp, Thomas J.	6VN	Dorcy, Ben H., ir.
6UG	Williams, Tom A.	6VO	Lee, John A.
6UH	Gates, Howard C.	l 6VQ	Herup, Vilhelm C.
6UJ	Delius, Herbert A	6VR	Sisson, Waldo L.
6UK	Heald's Business College.	6VT	Schleicher, Lorenz D.
6UL	Herzog, Aurelius.	6VU	Vonderheide, Harold H.
6UM	Freeman, Elmer D.	6VV	Wallace, Forrest P.
6UN	Shaw, William A	6VW	Weitfle, Roy.
6UO	Polkinghorn, Frank A.	6VX	Loos, William V.
6UP	Creswell, Frank, jr.	6VY	Morton, J. Walter.
6UR	Richards, Hugh F.	6VZ	Winser, Lindley.
6US	Gibson, Walter L.	 	•
6UT	Everard, Charles E.	6WC	Cornish, Warren D.
6UU	Shaffner, Lucius L.	6WE	Tulp, Ralph.
6UV	Reed, Carroll F.	6WF	Ford, Walter B.
6UW ·	Maynes, Walter W.	6WG	Strong, William A.
6UX	Whidden, Ira P.	6W K	Nickels, Lee.
6UY	Everharty, Laurence.	6WL	Leland, Wallace H.
6UZ	Gosmann, Jack L.	6WM	Morse, Willard A.
		6WP	Donelson, William E., jr.
6VA	White, G. Richard.	6WQ	Cowles, John.
6VB	Sundquist, Fred.	6WS	Schneider, William P.
6VC	Gottwald, Eugene A.	6WT	Mann, Frank W.
6VD	Loudon, Donald F.	6WU	Weddell, Clarence C.
6VE	Beraldo, Dewey.	6WX	Ebert, Howard W.
6VF	Griffin, Earl E.	6WY	Young, William H.
6VG	Patton, Claud W.	6WZ	Capps, Delphin J.
6VH	Root, John.		

SEVENTH DISTRICT.

[Headquarters: Federal Building, Seattle, Wash. The seventh district comprises the States of Cregon, Washington, Idaho, Montana, Wyoming, and the Territory of Alaska.]

ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power.
777.A	A.J E.J	1101 Couth E C4 Toward Wash	Watts.
7EA	Adams, Edison	1131 South E St., Tacoma, Wash	
7AB	Anderson, Alfred S	1253 Grand Ave., Astoria, Oreg	100
7GB	Andrews, Hiram J	223 Pontius Ave., Seattle, Wash	50
7HA	Andrews, Horton R	2105 45th St. SW., Seattle, Wash	250
7AH	Arnett, Harry	4111 Interlake Ave., Seattle, Wash	50
7PA	Aubel, Percy	169 19th Ave., Seattle, Wash	250
7AL	Austin, Lawrence	1211 Wall St., Everett, Wash	50
7BR	Bach, Roy O	4113 7th Ave. S., Seattle, Wash	400
7BJ	Baillargeon, George J	St. Martin's College, Lacey, Wash	25
7FD	Bancroft, Harvey	3024 Kromer Ave., Everett, Wash	440
7JA	Barnhisel, Howard	505 North I St., Tacoma, Wash	500
7CR	Barns, Charles	322 E. 4th St., Albany, Oreg	200
7BF	Bay, Frank W	1513 Adams Ave., La Grande, Oreg	
7CB	Bennett, Cecil H	Rainier, Oreg	500
7AS	Bird, Lester F	909 Blewett St., Seattle, Wash	
7DJ	Blagen, Henry W	914 Maple St., Hoquiam, Wash	ט

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Call signal.	Owner of station.	Location of station.	Power.
			Watts.
7SB	Blank, Sydney	581 Commercial St., Astoria, Oreg	50
7PC	Boardwell, Perry L	Camas, Wash	5
7DB	Bolstad, Archie L	1832 4th Ave. W., Seattle, Wash	1
7FB	Boswell, George	3887 16th St. SW., Seattle, Wash	1 00
7HB	Breum, Helmer O	3416 S. Madison St., Tacoma, Wash	1,00 99
7WB	Browning, William C	1437 20th Ave., Seattle, Wash	88
7GB 7BD	Butterfield, George II Campbell, Arthur C	815 Kearney St., Portland, Oreg Near Lewistown, Mont	1,00
7WC		1704 Franklin St., Vancouver, Wash	1,00
7NA	Cates, Walter C Charlton, Chase	108 Galer St., Seattle, Wash	1,00
7VC	Coburn, William D	Ashland, Oreg.	55
7ĊĞ	Comstock, George I	2031 1st Ave., Seattle, Wash	25
7EC	Covey, E. Channing	2429 Baker Ave., Everett, Wash	1,00
7DĞ	Cowles, Willis M	316 Smith Ave., St. Johns, Oreg	1,00
7DČ	Crockett, George D	1420 Hawthorne Ave., Portland, Oreg	34
7ČĂ	Crosby, Edward J	508 E. Sharp Ave., Spokane, Wash	5
7CC	Crowell, Chester E	1452 E. Couch St., Portland, Oreg	20
7UN	Curtis, Harry	215 Boston St., Seattle, Wash	99
7HC	Cutting, H. Everett	318 N. Black Ave., Bozeman, Mont	50
7DA	Dahms, Arthur H	1814 25th Ave. S., Seattle, Wash	28
7AC	Dailey, Arthur C	3915 Colby Ave., Everett, Wash	5
7DP	Dann, Percy W	6315 63d Ave. SÉ., Portland, Oreg	,
7HD	Davis, Hubert A	1904 Canoe Pl., Seattle, Wash	5
7PD	Davis, Percy E	Grass Valley, Oreg	1,00
7ED	Dawes, R. Earl	701 W. Main St., Bozeman, Mont	57
7CD	De Lacy, Clinton	1906 South J St., Tacoma, Wash	10
7AN	Dolloff, Ralph E	3724 Colby Ave., Everett, Wash	88
7AD	Douglas, Alfred E	824 East E St., Grants Pass, Oreg	75
7TD	Down, Theodore A	Lacey, Wash	
7VD	Du Cette, Victor	4023 Meridian Ave., Seattle, Wash	25
7WD	Duncan, Willard	3922 Woodlawn Ave., Seattle, Wash	99
7MD	Durkee, Mealon	713 St. Helens Ave., Tacoma, Wash	50
7CE	Lichelberger, H. Carl	715 N. 9th St., Boise, Idaho	77
7ME	Elliott, Morton W	635 S. Atlantic St., Dillon, Mont.	30
7BE	Ellis, Bruce	522 Burleigh Ave., Aberdeen, Wash	66
7CN	Emigh, Charles	355 Grove St., Walla Walla, Wash	1,00
7GU	Evans, G. R.	Clarkston, Wash	1,00
7IF	Fabris, Ivan M	916 E. Marion St., Seattle, Wash.	25
7FF	Farris, Frank E	1604 Spring St., Olympia, Wash	I
7HH	Fee, Lewis H	Everett, Wash	ا ا
7EF	Ford, Edwin D., jr	Weiser, Idaho	1 .
7SG 7GF	Gianelli, Salver Gibbs, Floyd F	517 E. Sharp Ave., Spokane, Wash 512 E. 4th St., Hood River, Oreg	1 0
7GG	Goodner, Ernest F	1612 E. 65th St., Seattle, Wash	٠ ١
7LG	Gottfried, Lavon E	Falls City, Oreg.	-1
7MG	Graff, Richard H	714 North D St., Tacoma, Wash]
7GR	Gratke, Charles E	661 Commercial St., Astoria, Oreg	٠ ا
7JG	Graves, James W	19th St. and Grand Ave., Astoria, Oreg	
7CH	Hansen, Carl L	5415 6th Ave. NW., Seattle, Wash	
7KC	Harker, Theodore C	920 Sumner St., Sheridan, Wyo	
7DH	Haskell, Willard D	3732 Hoyt St., Everett, Wash	
7EE	Hawkins, Edward K	1800 27th Ave. S., Seattle, Wash	. 2
70H	Heacock, Orland M	305 Main St., La Grande, Oreg	. 2
HG	Henderson, Paul	Bend, Oreg	. 4
7GC	Henny, George C	530 Heights Ter., Portland, Oreg	
7FH	Henriot, Floyd F	2132 N. Steele St., Tacoma, Wash	- 2
HY	Hicklyn, Harold H	2909 S. Warner St., Tacoma, Wash	. 1
7HI	Higman, Harry H	Hamilton, Mont.	. 2
7HF	Hoag, Joseph B., jr	R. F. D. No. 1, Warrenton, Oreg	. 1 2
7GD	Hoffman, Carl A.	1 1010 0 4 4 0 44 177 1	110

Amateur Radio Stations—Seventh District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
7PH	Hoffmann, Philip	621 S. 1st St., Walla Walla, Wash	220
7GN	Hohlbein, Charles A	3515 Woodlawn Ave., Seattle, Wash	550
7CF	Holdbrook, Charles S	474 E. Broadway, Portland, Oreg	110
7BI	Holm, Frank E., jr	6507 Palatine Ave., Seattle, Wash	660
7AQ	Holm, Paul E	422 Blackstone St., Porltand, Oreg	880
7GI	Horne, Gilbert	4130 45th Ave. SW., Seattle, Wash	22
7MH	Hull Morris F	2238 Commercial St., Astoria, Oreg	22
	Hull, Morris F		000
7HU	Hursh, Harold H	Medical Springs, Oreg. 3033 W. 71st St., Seattle, Wash	800
7CI	Ingwersen, John		250
7EJ	Jackson, Edgar F	1135 Thurman St., Portland, Oreg	150
7OJ	Jensen, Otto	3007 Kromer Ave., Everett, Wash.	
7AI	Johnson, Clifford E	1004 N. Adams St., Tacoma, Wash	280
7KG	Johnson, Evald T	1806 25th Ave. S., Seattle, Wash	250
7GJ	Johnson, Gale H	124 Queen Anne Ave., Seattle, Wash	660
7NJ	Johnson, Norman	432 26th St. N., Seattle, Wash	440
7HJ	Jones, Henry L	1111 E. Cherry St., Seattle, Wash	250
7CJ	Josephson, Carl L	638 Commercial St., Astoria, Oreg	50
7GK	Kendall, George O	431 Rodney Ave., Portland, Oreg 1004 North K St., Tacoma, Wash	1,000
7JC	Keyes, John A	1004 North K St., Tacoma, Wash	500
7CK	King, Clement S	1901 W. 70th St., Seattle, Wash	500
7WK	Kleist, Walter A	902 S. Yakima Ave., Tacoma, Wash	1,000
7KA	Klink, Chester A	569 N. Union Ave., Portland, Oreg	45
7KB	Knowles, Earl H	603 Seneca St., St. Johns, Oreg	1,000
7JK	Knowles, Josiah S	2228 2d Ave. W., Seattle, Wash	250
7AK	Koester, Alpha M	Near North Powder, Oreg	450
7KD	Kraft, Vincent I	6519 19th St. NE., Seattle, Wash	75
7LK	Kuhn, Lee Guey	2d and Main Sts., Vancouver, Wash	950
7EL	La Pina Earl	1747 26th Ave. N., Seattle, Wash	550
	La Pine, Earl	1700 W. 57th St., Seattle, Wash.	500
7LA	Larson, Walter L	1412 Summit Ave., Seattle, Wash	330
7FW	Lee, Emery H. I	506 Mill St., Portland, Oreg	90
7FL	Ling, Frank Moy	408 S. 32d St., Tacoma, Wash.	
7HL	Longmire, Harold D	2100 Allei Arra Scottla Work	125
7LU	Ludgate, Wallace, jr	2190 Alki Ave., Seattle, Wash	500
7HK	Mahler, Harold E	4730 20th Ave. NE., Seattle, Wash	750
7RM	Marbourg, Roy L	2303 Nob Hill Ave., Seattle, Wash	770
7MQ	Marquis, A. N., jr	618 Spring St., Seattle, Wash	48
7MM	Mathison, Martin J	4102 N. 13th St., Tacoma, Wash	220
7LM	Maybee, Loren C Maybee, Loren C	Weston, Oreg	175
7SA	Maybee, Loren C	Weston, Oreg	495
7AM	Mayne, Alfred J	925 E. Marion St., Seattle, Wash	10
7HM	McCandless, Howard F	204 S. Tacoma Ave., Tacoma, Wash	1,000
7TW	McCord, David T. W	933 Mt. Adams Drive, Portland, Oreg	253
7BC	McGee, Donald E	616 5th St., Hoquiam, Wash	550
7DD	McKinnon, Daniel	Spiketon, Wash	50
7WM	McKinnon, Walter J	609 W. McGraw St., Seattle, Wash	500
7BM	Merrill, Barrett M	2315 S. Madison St., Spokane, Wash	
7JO	Methven, John H	Ronald-by-Roslyn, Wash	12
7HC	Michel, R. Henry	318 N. Black Ave., Bozeman, Mont	1,000
7EM	Michel, R. Henry Miller, E. Clarence	504 E. Republican St., Seattle, Wash	130
7JM	Milnor, John W	2705 N. 21st St., Tacoma, Wash	250
7DM	Minkler, Darrell	127 Portland Ave. Medford Oreg	550
7MI	Minter, John W	610 E. 19th St. Chevenne Wyo	50
7AG	Moe, George	4118 N. 16th St., Tacoma, Wash	320
7AF		610 E. 19th St., Cheyenne, Wyo. 4118 N. 16th St., Tacoma, Wash. 634 E. 56th St., Portland, Oreg.	50
7GM	Moore, Alvin	4735 58th St. SE., Portland, Oreg	1,000
	Moore, Gale L		50
7TM	Morgan, 10m 1	Renton, Wash	1
7WH	Morse, Donald W. H	6308 17th Ave. NE., Seattle, Wash	50
7PM	Murfin, Paul E Nelson, Ivan L	2458 6th Ave. W., Seattle, Wash	360
7IN	Nelson, Ivan L	1005 N. 12th St., Bolse, Idano	495
7ON	Nicholson, W. Otto	3115 S. 7th St., Tacoma, Wash	1,00

Call signal.	Owner of station.	Location of station.	Power.
-ap	DI 1 0 1	701 G	Watts.
7SB	Blank, Sydney	581 Commercial St., Astoria, Oreg	500
7PC 7DB	Boardwell, Perry L	Camas, Wash	50 16
7FB	Bolstad, Archie L Boswell, George	3887 16th St. SW., Seattle, Wash	440
7HB	Breum, Helmer O	3416 S. Madison St., Tacoma, Wash	1,000
7WB	Browning, William C	1437 20th Ave., Seattle, Wash	990
7GB	Butterfield, George H	815 Kearney St., Portland, Oreg	880
7BD	Campbell, Arthur C	Near Lewistown, Mont	1,000
7WC	Cates, Walter C	1704 Franklin St., Vancouver, Wash	1,000
7NA	Charlton, Chase	108 Galer St., Seattle, Wash	10
7VC	Coburn, William D	Ashland, Oreg	550
7CG 7EC	Comstock, George I Covey, E. Channing	2001 18t Ave., Seattle, Wash	250 1,000
7DG	Cowles, Willis M	2429 Baker Ave., Everett, Wash	1,000
7DC	Crockett, George D	1420 Hawthorne Ave., Portland, Oreg	340
7CA	Crosby, Edward J	508 E. Sharp Ave., Spokane, Wash	50
7CC	Crowell, Chester E	1452 E. Couch St., Portland, Oreg	200
7UN	Curtis, Harry	215 Boston St., Seattle, Wash	990
7HC	Curtis, Harry Cutting, H. Everett	318 N. Black Ave., Bozeman, Mont	500
7DA	Dahms, Arthur II	1814 25th Ave. S., Seattle, Wash	250
7AC	Dailey, Arthur C Dann, Percy W Davis, Hubert A	3915 Colby Ave., Everett, Wash	550
7DP	Dann, Percy W	6315 63d Ave. SE., Portland, Oreg.	50
7HD 7PD	Davis, Percy E	1904 Canoe Pl., Seattle, Wash	500 1,000
7ED	Dawes, R. Earl	Grass Valley, Oreg	575
7CD	De Lacy, Clinton	1906 South J St. Tacoma Wash	100
7AN	Dolloff, Ralph E	701 W. Main St., Bozeman, Mont. 1906 South J St., Tacoma, Wash. 3724 Colby Ave., Everett, Wash.	880
7AD	Douglas, Alfred E	824 East E St., Grants Pass, Orag	750
7TD	Down Theodore A	Lacey, Wash	50
7VD	Du Cette, Victor Duncan, Willard Durkee, Mealon Eichelberger, H. Carl	Lacey, Wash	250
7WD	Duncan, Willard	3922 Woodlawn Ave., Seattle, Wash 713 St. Helens Ave., Tacoma, Wash	990
7MD	Durkee, Mealon	713 St. Helens Ave., Tacoma, Wash	500
7CE 7ME	Elliott, Morton W	715 N. 9th St., Boise, Idaho	770 300
7BE	Ellis, Bruce	635 S. Atlantic St., Dillon, Mont 522 Burleigh Ave., Aberdeen, Wash	500
7CN	Emigh, Charles	355 Grove St., Walla Walla, Wash	660
7GU	Evans, G. R.	Clarkston, Wash	1, 000
7IF	Fabris, Ivan M	916 E. Marion St., Seattle, Wash.	50
7FF	Farris, Frank E	1604 Spring St., Olympia, Wash	250
7HH	Fee, Lewis H	Everett, Wash	T50
7EF	Ford, Edwin D., jr	Weiser, Idaho	800
7SG	Gianelli, Salver	517 E. Sharp Ave., Spokane, Wash.	50
7GF 7G G	Gibbs, Floyd F	512 E. 4th St., Hood River, Oreg.	275 330
7LG	Goodner, Ernest F Gottfried, Lavon E	1612 E. 65th St., Seattle, Wash	20
7MG	Graff, Richard H	Falls City, Oreg	50
7GR	Gratke, Charles E	661 Commercial St., Astoria, Oreg	250
7JG	Graves, James W	19th St. and Grand Ave., Astoria, Oreg	50
7CH	Hansen, Carl L	5415 6th Ave. NW., Seattle, Wash	400
7KC	Harker, Theodore C Haskell, Willard D	920 Sumner St., Sheridan, Wyo	220
7DH	Haskell, Willard D	3732 Hoyt St., Everett, Wash	990
7EE	Hawkins, Edward K	1800 27th Ave. S., Seattle, Wash	250
70H 7HG	Heacock, Orland M	305 Main St., La Grande, Oreg	250
7HG 7GC	Henderson, Paul	Bend, Oreg 530 Heights Ter., Portland, Oreg	440 250
7FH	Henriot, Floyd F	2132 N. Steele St. Tacoma. Wash	250 250
7HY	Hicklyn, Harold H	2132 N. Steele St., Tacoma, Wash 2909 S. Warner St., Tacoma, Wash	100
7HI	Higman, Harry H	Hamilton, Mont	200
7HF	Hoag, Joseph B., jr	R. F. D. No. 1, Warrenton, Oreg	250
7GD	Hoffman, Carl A.		

Call signal.	Owner of station.	Location of station.	Power.
Part .			Watts.
7PH	Hoffmann, Philip	621 S. 1st St., Walla Walla, Wash	220
7GN	Hohlbein, Charles A	3515 Woodlawn Ave., Seattle, Wash	550
7CF	Holdbrook, Charles S	474 E. Broadway, Portland, Oreg	110
7BI	Holm, Frank E., jr	6507 Palatine Ave., Seattle, Wash	660
7AQ	Holm, Paul E	422 Blackstone St., Porltand, Oreg.	880
7GI	Horne, Gilbert	422 Blackstone St., Porltand, Oreg 4130 45th Ave. SW., Seattle, Wash	22
7MH	Hull, Morris F	2238 Commercial St., Astoria, Oreg	
7HU	Hursh, Harold H	Medical Springs, Oreg	800
7CI	Ingwersen, John	3033 W. 71st St., Seattle, Wash	250
7EJ	Jackson, Edgar F	1135 Thurman St., Portland, Oreg	150
		3007 Kromer Ave., Everett, Wash	100
7OJ	Jensen, Otto	1004 N. Adams St. Tacoma Wash	990
7AI	Johnson, Clifford E	1004 N. Adams St., Tacoma, Wash	280
7KG	Johnson, Evald T	1806 25th Ave. S., Seattle, Wash	250
7GJ	Johnson, Gale H	124 Queen Anne Ave., Seattle, Wash	660
7NJ	Johnson, Norman	432 26th St. N., Seattle, Wash	440
7HJ	Jones, Henry L	1111 E. Cherry St., Seattle, Wash	250
7CJ	Josephson, Carl L	638 Commercial St., Astoria, Oreg	50
7GK	Kendall, George O	431 Rodney Ave., Portland, Oreg	1,000
7JC	Keyes, John A	1004 North K St., Tacoma, Wash	500
7CK	King, Clement S	1901 W. 70th St., Seattle, Wash	500
7WK	Kleist, Walter A	902 S. Yakima Ave., Tacoma, Wash	1,000
7KA	Klink, Chester A	569 N. Union Ave., Portland, Oreg	45
7KB	Knowles, Earl H	603 Seneca St., St. Johns, Oreg	1,000
7JK	Knowles, Josiah S	2228 2d Ave. W., Seattle, Wash	250
7AK	Koester, Alpha M	Near North Powder, Oreg	450
7KD	Kraft, Vincent I	6519 19th St. NE., Seattle, Wash	75
7LK	Kuhn, Lee Guey	2d and Main Sts., Vancouver, Wash	950
7EL	La Pine, Earl	1747 26th Ave. N., Seattle, Wash	550
7LA	Larson, Walter L	1700 W. 57th St., Seattle, Wash	500
7FW	Lee, Emery H. I.	1412 Summit Ave., Seattle, Wash	330
7FL	Ling, Frank Moy	506 Mill St., Portland, Oreg	90
7HL	Longmire, Harold D	408 S. 32d St., Tacoma, Wash	125
7LU	Ludgate, Wallace, jr	2190 Alki Ave., Seattle, Wash	500
7HK	Mahler, Harold E	4730 20th Ave. NE., Seattle, Wash	750
	Marbourg, Roy L	2303 Nob Hill Ave., Seattle, Wash	770
7RM	Marquis, A. N., jr	618 Spring St., Seattle, Wash	48
7MQ	Mothison Mortin I	4102 N. 13th St., Tacoma, Wash	220
7MM	Mathison, Martin J		175
7LM	Maybee, Loren C	Weston, Oreg	
7SA	Maybee, Loren C	Weston, Oreg	495
7AM	Mayne, Alfred J	925 E. Marion St., Seattle, Wash	10
7HM	McCandless, Howard F.	204 S. Tacoma Ave., Tacoma, Wash	1,000
7TW	McGee, Donald E	933 Mt. Adams Drive, Portland, Oreg	253
7BC		616 5th St., Hoquiam, Wash	550
7DD	McKinnon, Daniel	Spiketon, Wash	50
7WM	McKinnon, Walter J	609 W. McGraw St., Seattle, Wash	500
7BM	Merrill, Barrett M	2315 S. Madison St., Spokane, Wash	
7JO	Methven, John H	Ronald-by-Roslyn, Wash	12
7HC	Michel, R. Henry	318 N. Black Ave., Bozeman, Mont	1,000
7EM	Miller, E. Clarence	504 E. Republican St., Seattle, Wash	130
7JM	Milnor, John W	2705 N. 21st St., Tacoma, Wash	250
7DM	Minkler, Darrell	127 Portland Ave., Medford, Oreg.	550
7MI	Minter, John W	610 E. 19th St., Cheyenne, Wyo	50
7AG	Moe, George	4118 N. 16th St., Tacoma, Wash	320
7AF	Moore, Alvin	610 E. 19th St., Cheyenne, Wyo. 4118 N. 16th St., Tacoma, Wash. 634 E. 56th St., Portland, Oreg.	50
7GM	Moore, Gale L	4735 58th St. SE., Portland, Oreg	1,000
7TM	Moore, Gale L		50
7WH	Morse Donald W H	Renton, Wash	50
7PM	Murfin, Paul E	2458 6th Ave. W., Seattle, Wash	360
7IN	Nelson, Ivan L	1003 N. 12th St., Boise, Idaho	495
1111	Tronson, I van II	1000 11. 12011 00., 10000, 100110	1,000

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
7RE	Nitschke, Erville W	346 E. 34th St., Portland, Oreg	280
7LO	O'Brien, Lester E	Wilkeson, Wash	900
7WO	Offutt William	321 South G St. Tacoma Wash	500
70W	Offutt, William Ovens, Wallace	321 South G St., Tacoma, Wash	440
7BP	Parenti, Bessie	268 Clay St., Portland, Oreg	110
7HP	Pennell, Harry R	217 Cornell Rd Portland Oreg	220
		317 Cornell Rd., Portland, Oreg	
7BB	Pennock, Colman	1000 Deleich Ct. Deutlend Orea	250
7CP	Peterson, C. Edward	1008 Raleigh St., Portland, Oreg	378
7CW	Peterson, Charles W	2922 3d Ave. W., Seattle, Wash	500
7EP	Peterson, Edward T	718 E. Ash St., Portland, Oreg	4
7FC	Pfeiffer, Charles	319 W. 6th St., Albany, Oreg	200
7PB	Philpott, Harley J	Fairview Ave., Caldwell, Idaho	660
7PR	Piercy, Russell H	313 Tillamook St., Portland, Oreg	250
7MP	Pohl, Maxwell A	1651 Franklin Ave., Astoria, Oreg	50
7NG	Pyle, Howard S	3314 York Rd., Seattle, Wash	77(
7AA	Race, George A	3335 S. 29th St., Tacoma, Wash	78
7HR	Reichert, Howard G	1007 E. 31st St., Tacoma Wash	500
7NR	Richey, Nolan C	3425 Broadway, Everett, Wash	495
7GH	Riesland, Edward G	1608 West St., La Grande, Oreg	278
7AV	Root, Charles W	905 S. Jersey St., St. Johns, Oreg	250
7AR	Root, Dellmar A	631 Buchanen St., St. Johns, Oreg	1,000
7BH	Rose, Bruce H	15021 13th Ave. Seattle, Wash	550
7LR	Ross, Lindsley W	1502 13th Ave., Seattle, Wash	936
7JQ	Roy, James	2028 6th Ave., Seattle, Wash	50
7JB	Rudesill, Elmer F	421 Emerson Ave., Hoquiam, Wash	500
7RD	Runyard, A. Don	706 Dakota St., Medford, Oreg	300
7FR			220
7RR	Rush, Floyd M	930 S. 13th St., Salem, Oreg	
7CM	Rust, Arthur	521 N. Yakima Ave., Tacoma Wash	1,000
	Ruth, Sebastian	Lacey, Wash	1,000
7RJ	Ryan, James T	302 18th Ave., Seattle, Wash	250
7SP	Samms, Philip C Schaar, Howard J	415 S. 9th Ave., Pocatello, Idaho	1,000
7RX	Schaar, Howard J	721 21st Ave., Seattle, Wash	250
7RG	Scott, Herbert	3940 Densmore Ave., Seattle, Wash	24
7HS	Sherwood, Harley L	1117 3d Ave., Seattle, Wash	50
7DS	Shingler, Don G	208 W. 19th St., Cheyenne, Wyo	150
7US	Sherwood, Harley L Shingler, Don G Slewing, Vere T. Small, Vincent.	531 W. Palm St., Medford, Oreg	1,000
7VS	Small, Vincent	2322 Wetmore Ave., Everett, Wash	935
7BK	Smead, Earl	490 Morrison St., Portland, Oreg	25
7AJ	Sorenson, Chester J	1031 Quimby St., Portland, Oreg	550
7WS	Sparrow, William T	932 W. 63d St., Seattle, Wash	550
7BS	Sparrow, William T Spencer, Arthur	2519 Fulton St., Everett, Wash	990
7RS	Starr, Eugene	Falls City, Oreg	40
7WQ	Stedman, William	Kake, Alaska	25
7FA	Steiger, Alfred	6040 38th Ave. NW., Seattle, Wash	50
7LV	Stenso, Alvin	1922 South J St., Tacoma, Wash	250
7SL	Stinson, Leo	2428 Pacific Ave., Hoquiam, Wash	30
7SW	Swan, Emil	1461 Portsmouth Ave., Portland, Oreg	1,000
7JD	Tait, John D	1495 Chemeketa St., Salem, Oreg	250
7DR		4230 Brooklyn Ave., Seattle, Wash	100
7LT	Thelberg, Raymond D Thompson, Lloyd S	109 5th St., Hamilton, Mont	170
7JR		1213 Columbia St., Seattle, Wash	10
7JT	Tolmie, Jack R		
	Tyler, John L	505 S. 4th St., Hamilton, Mont	250
7HV	Vance, Harold C	Pullman, Wash	50
7JV	Vaughan, Joseph A	1324 Yakima Ave., Tacoma, Wash	300
7WR	Walling, Raymond	12th and Cross Sts., Salem, Oreg	220
7KW	Warrens, C. Kenneth	848 Melinda Ave., Portland, Oreg 505 N. High St., Salem, Oreg	220
7WG	Welch, Herbert E	505 N. High St., Salem, Oreg	50
7RV	Westcott, Roy	1607 N. 19th St., Boise, Idaho	1,000
7HT	Whelan Harold I	612 W 27th St. Vancouver Wash	50

Amateur Radio Stations—Seventh District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
7DW 7GW 7JW 7WW 7LW 7RW 7GA	Wollaston, Arthur L Wright, Raymond F	1022 E. Heron St., Aberdeen, Wash	1,000 700 500 250 440

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.
7 Α Λ	Race, George A.	7C P	Peterson, C. Edward.
7AB	Anderson, Alfred S.	7CR	Barns, Charles.
7AC	Dailey, Arthur C.	7CW	Peterson, Charles W.
7AD	Douglas, Alfred E.		
7AF	Moore, Alvin.	7DA	Dahms, Arthur H.
7AG	Moe, George.	7DB.	Bolstad, Archie L.
7 AH	Arnett, Harry.	7DC	Crockett, George D.
7A I	Johnson, Clifford E.	7DD	McKinnon, Daniel.
7AJ_	Sorenson, Chester J.	7DG	Cowles, Willis M.
7A.K	Koester, Alpha M.	7DH	Haskell, Willard D.
7AL	Austin, Lawrence.	7DJ	Blagen, Henry W.
7AM	Mayne, Alfred J.	7DM	Minkler, Darrell.
7AN	Dolloff, Ralph E.	7DP	Dann, Percy W.
7AQ	Holm, Paul E.	7DR	Thelberg, Raymond D.
7AR	Root, Dellmar A.	7DS	Shingler, Don G.
7AS	Bird, Lester F.	7DW	Willis, Cecil D.
7AV	Root, Charles W.		
	-	7EA	Adams, Edison.
7BB	Pennock, Colman.	7EC	Covey, E. Channing.
7BC	McGee, Donald E.	7ED	Dawes, R. Earl.
7BD	Campbell, Arthur C.	7EE	Hawkins, Edward K.
7BE	Ellis, Bruce.	7EF	Ford, Edwin D., jr.
7BF	Bay, Frank W.	7EJ	Jackson, Edgar F.
7BG	Andrews, Hiram J.	7EL	La Pine, Earl.
7BH	Rose, Bruce H.	7EM	Miller, E. Clarence.
7BI	Holm, Frank E., jr.	7EP	Peterson, Edward T.
7BJ	Baillargeon, George J.		
7BK	Smead, Earl.	7FA	Steiger, Alfred.
7BM	Merrill, Barrett M.	7FB	Boswell, George.
7BP	Parenti, Bessie.	7FC	Pfeiffer, Charles.
7BR	Bach, Roy O.	7FD	Bancroft, Harvey.
7BS	Spencer, Arthur.	7FF	Farris, Frank E.
		7FH	Henriot, Floyd F.
7CA	Crosby, Edward J.	7FL	Ling, Frank Moy.
7CB	Bennett, Cecil H.	7FR	Rush, Floyd M.
7CC	Crowell, Chester E.	7FW	Lee, Emery H. I.
7CD	DeLacy, Clinton.		
7CE	Eichelberger, H. Carl.	7GA	Wurtz, George A.
7CF	Holdbrook, Charles S.	7GB	Butterfield, George H.
7CG	Comstock, George I.	7GC	Henny, Geo. C.
7CH	Hansen, Carl L.	7GD	Hoffman, Carl A.
7CI	Ingwersen, John.	7GF	Gibbs, Floyd F.
7CJ	Josephson, Carl L.	7GG	Goodner, Ernest F.
7CK	King, Clement S.	7GH	Riesland, Edward G.
7CM	Ruth, Sebastian.	7GI	Horne, Gilbert.
7CN	Emigh, Charles.	7GJ	Johnson, Gale H.

AMATEUR RADIO STATIONS—SEVENTH DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

F ... Adding A

Callsignal.	Owner of station.	Call signal.	Owner of station.
7GK	Kendall, George O.	7LV	Stenso, Alvin.
7GM	Moore, Gale L.	7LW	Wollaston, Arthur L.
7GN	Hohlbein, Chalres A.		Workston, Millian E.
7GR	Gratke, Charles E.	7MD	Durkee, Mealon.
7GU	Evans, G. R.	7ME	Elliott, Morton W.
7GW	Wilson, George D.	7MG	Graff, Richard H.
7411	Wilson, George 17.	7MH	Hull, Morris F.
7HA	Andrews, Horton R.	7MI	Minter, John W.
7HB	Breum, Helmer O.	7MM	Mathison, Martin J.
7HC	Cutting, H. Everett, and Michel,	7MP	Pohl, Maxwell A.
7HD	R. Henry. Davis, Hubert A.	7MQ	Marquis, A. N., jr.
7HF	Hoag, Joseph B., jr.	7NA	Charlton, Chase.
7HG	Henderson, Paul.	7NG	Pyle, Howard S.
7HH	Fee, Lewis H.	7NJ	Johnson, Norman.
7HI	Higman, Harry H.	7NR	Richey, Nolan C.
7HJ	Jones, Henry L.	11110	l minoy, moran o.
7HK	Mahler, Harold E.	70H	Heacock, Orland M.
7HL	Longmire, Harold D.	70J	Jensen, Otto.
7HM	McCandless, Howard F.	70N	Nicholson, W. Otto.
7HP	Pennell, Harry R.	70W	Ovens, Wallace.
7HR	Reichert, Howard G.	1011	o vons, wanace.
7HS	Sherwood, Harley L.	7PA	Aubel, Percy.
7HT	Whelan, Harold J.	7PB	Philpott, Harley J.
7HU	Hursh, Harold H.	7PC	Boardwell, Perry L.
7HV	Vance, Harold C.	7PD	Davis, Percy E.
7HY	Hicklyn, Harold II.	7PH	Hoffman, Philip.
		7PM	Murphin, Paul E.
7IF	Fabris, Ivan M.	7PR	Piercy, Russell H.
7IN	Nalson, Ivan L.	1110	
1		7RD	Runyard, A. Don.
7JA	Barnhisel, Howard.	7RE	Nitschke, Erville W.
7JB]	Rudesill, Elmer F.	7RG	Scott, Herbert.
7JC	Keyes, John Λ.	7RJ	Ryan, James T.
7JD	Tait, John'D.	7RM	Marbourg, Roy L.
7JG	Graves, James W.	7RR	Rust, Arthur.
7JK	Knowles, Josiah S.	7RS	Starr, Eugene.
7JM	Milnor, John W.	7RV	Westcott, Roy.
7JO	Methyen, John H.	7RW	Wright, Raymond F.
7JQ	Roy, James.	7RX	Schaar, Howard J.
7 <u>JR</u>	Tolmie, Jack R.		
7JT	Tyler, John L.	7SA	Maybee, Loren C.
7JV	Vaughan, Joseph A.	7SB	Blank, Sydney.
7JW	Wilson, John C.	78G	Gianelli, Salver.
	TT1 1 01	7SL	Stinson, Leo.
7KA	Klink, Chester A.	7SP	Samms, Philip C.
7KB	Knowles, Earl H.	7SW	Swan, Emil.
7KC	Harker, Theodore C.		
7KD	Kraft, Vincent I.	7 <u>TD</u>	Down, Theodore A.
7KG	Johnson, Evald T.	7TM	Morgan, Tom T.
7KW	Warrens, C. Kenneth.	7TW	McCord, David T. W.
7LA	Larson, Walter L.	7UN	Curtis, Harry.
7 <u>LG</u>	Gottfried, Lavon E.	7US	Slewing, Vere T.
7LK	Kuhn, Lee Guey.		A 1 177111 T
7LM	Maybee, Loren C.	7VC	Coburn, William D.
7LO	O'Brien, Lester E.	7VD	DuCette, Victor.
7LR	Ross, Lindsley W.	7VS	Small, Vincent.
7LT	Thompson, Lloyd S.	7700	Drawning William C
7LU I	Ludgate, Wallace, jr.	17WB	Browning, William C.

Amateur Radio Stations—Seventh District—Alphabetically by Call Signals—Continued.

Callsignal.	Owner of station.	Call signal.	Owner of station.
7WC 7WD 7WG 7WH 7WK 7WM	Cates, Walter C. Duncan, Willard. Welch, Herbert E. Morse, Donald W. H. Kleist, Walter A. McKinnon, Walter J.	7WO 7WQ 7WR 7WS 7WW	Offutt, William. Stedman, William. Walling, Raymond. Sparrow, William T. Wilson, William F.

EIGHTH DISTRICT.

[Headquarters: Customhouse, Cleveland, Ohio. The eighth district comprises the States of New York (all counties not included in second district), Pennsylvania (all counties not included in third district), West Virginia, Ohio, and Michigan (Lower Pennsula).]

ALPHABETICALLY BY OWNERS OF STATIONS.

Callsignal.	Owner of station.	Location of station.	Power.
			Watts.
8ABG	Ackerman, Lee D	1316 West St., Homestead, Pa	1,000
8UY	Adams, Lucius O	85 De Russey St., Binghamton, N. Y	18
8AKU	Adams, Miles R	Sanitaria Springs, N. Y	20
8ALN	Addis, Roy R	46 Jones St., Mt. Clemens, Mich	550
8CE	Adler, Jerome	5550 Avondale St., Pittsburgh, Pa	1,000
8ACE	Ahlheim, Norman L	123 Laurel St., Buffalo, N. Y	24
8DZ	Aker, Ellison E	520 Woodward Ave., Lima, Ohio	1,000
8AJW	Aland, Joseph T	2640 Norwood St., Pittsburgh, Pa	330
SAEQ	Albertson, W. Charles	5400 Stanton Ave., Pittsburgh, Pa	250
8JT	Albrecht, Harvey O	10608 Dupont Ave. NE., Cleveland, Ohio.	21
8JU	Aldridge, George P	12702 Penobscot Ave., Cleveland, Ohio	500
8ALE	Alexander, Lot	537 Center St., Grove City, Pa	495
8AAJ	Altenberg, Clarence P	1947 Franklin Ave., Toledo, Ohio	16
8RN	Altman, Allen	6710 Hudson Pl., Pittsburgh, Pa	1,000
8AJO	Amann, J. C	393 Oak Hill Ave., Youngstown, Ohio	12
8ADY	Anderson, Harry M	New Wilmington, Pa	165
8GE	Anderson, John M., jr	2215 Auburn Ave., Cincinnati, Ohio	115
8JW	Anderson, Joseph D	719 E. 127th St., Cleveland, Ohio	330
8AA	Anderson, Sidney E	710 Commonwealth Ave., Detroit, Mich.	660
8AAW	Anderson, Thure C	416 N. Broad St., Ridgway, Pa	9
8UB	Andrews, Cecil J	Pittsford, Mich	18
8CJ	Andrews, William S	907 Mellon St., Pittsburgh, Pa	500
8KA	Ankerman, Roy E	403 E. Lima St., Wapakoneta, Ohio	500
8AMQ	Anson, Charles T	Au Sable Forks, N. Y.	275
8DW	Apger, Charles O	555 18th St., Detroit, Mich	500
8JN	Arthurs, Biddle, jr	3046 Centre Ave., Pittsburgh, Pa	250
8RQ	Ashtabula High School.	Ashtabula, Ohio	500
8TO	Attwood, Brooke	515 W. Spring St., Lima, Ohio	27
8FV	Backus, Harry F	1740 E. 31st St., Cleveland, Ohio	700
8FF	Baker, Raymond S	39 Steele Ave., Gloversville, N. Y	330
8VP	Ball, Alfred	Hubbard, Ohio	27
8OM	Balsley, James I	109 S. Cottage Ave., Connellsville, Pa	125
SAEH	Balson, Donald W	243 E. College St., Oberlin, Ohio	100
8HI	Barber, Nelson J.	77 Cleveland St., Amherst, Ohio	500
8VO	Barnard, Earl E	10402 Olivet Ave., Cleveland, Ohio	42
8WW	Barnes, Orton S	215 Main St., Binghamton, N. Y	990
8CC	Barnett, Walter J	269 S. Goodman St., Rochester, N. Y	21
8AKJ	Barnwell, Albert E	86 Eller Ave., Buffalo, N. Y	750
8AB	Barr, Forrest L	R. F. D. No. 1, Vickery, Ohio	210
8RX	Barringer, Russ	418 N. Wood St., Fremont, Ohio	14
8NJ	Bartholomew, William F.		110

AMATEUR RADIO STATIONS—Eighth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
8LJ	Baxter, Raymond L	2745 Woodward Ave., Highland Park,	Watts. 220
		Mich.	
8SI 8AKD	Beach, Walter R Beam, Francis H	2180 E. 90th St., Cleveland, Ohio 455 W. 4th St., Mansfield, Ohio	990 770
8AFU	Beaman, Paul S	91 Mill St., Binghamton, N. Y.	15
8JB	Beare, George L	Columbus Ave. and Washington Row, Sandusky, Ohio.	990
8TZ	Beasley, Ira E	1451 Clifton Pl., Lakewood, Ohio	300
8AIL	Beaumont, William F	432 Allen St., Jamestown, N. Y.	27
8AHS 8JP	Becker, Freeman A	1532 Oakmont St., Toledo, Ohio 885 West Ave., Buffalo, N. Y	30 50
SJC	Bedwin, Earl T	209 Lewis St., Charlevoix, Mich	
8RI	Beeler, Hughes	379 South D St., Hamilton, Ohio	36
8AIF	Bell, Irving	819 Wall St., Port Huron, Mich	40
8DO	Bell, Norman W	424 Tarleton Ave., Pittsburgh, Pa 2642 Norwood St., Pittsburgh, Pa	530
8AKA·	Bender, Raymond C Benjamin, Carlisle	174 Glasgow St., Clyde, N. Y.	400 30
8MM	Benzee, Arthur H., jr	701 Walden Ave., Buffalo, N. Y	20
8CS	Benzee, Henry J	297 Grider St., Buffalo, N. Y.	18
8KT	Benzee, Joseph M	93 Wex Ave., Buffalo, N. Y	32
8AE 8HS	Berndt, William F Berry, L. Mack	608 Clark Ave., Detroit, Mich	250 990
8AGG	Berryman, Plimpton S.	609 Thomas St., Stroudsburg, Pa	440
8SC	Bidwell, Paul	8903 Cedar St., Cleveland, Ohio	21
800	Bird, Harold C	92 S. Johnson Ave., Pontiac, Mich 1 North Ave., Binghamton, N. Y	. 500
8PZ	Bishop, Carryl L	1 North Ave., Binghamton, N. Y	24 750
8AGL 8ACK	Bishop, Robert C Blair, Russell M	413 Locust St., Lockport, N. Y	30
8FU	Blattner, E. Herman	73 Pardee St., Rochester, N. Y.	25
8TA	Blum, Louis	777 S. Gilbert St., Columbus, Ohio	495
8RH	Blum, Robert A	157 High St., Buffalo, N. Y	18
8LP 8AIY	Bly, Ralph Boastfield, Thomas W	1358 Michigan Ave., Niagara Falls, N. Y 135 4th St. NE., Canton, Ohio	250 50
8AGZ	Bohannan, Robert C	226 E. 16th Ave., Columbus, Ohio	450
8QJ	Bornman, Frederick D	134 Delaware Ave., Detroit, Mich	880
8ALO	Bovee, Charles W	105 Beethoven St., Binghamton, N. Y	27
8AIK 8OU	Boyd, Donald M Boyer, Harry A	Cambridge Springs, Pa	660 440
8HL	Boyes, Edwin G	170 Willis Ave., Detroit, Mich.	30
8ADB	Bray, Thomas J., jr	170 Willis Ave., Detroit, Mich	495
8CQ	Brede, Erwin F	55 Melbourne Ave., Detroit, Mich	333
8IV 8OG	Brehmer, Harry Brink, Frank J	26 Locust St., Battle Creek, Mich Galen, N. Y	990
8KI	Brockway, Earl H	421 E. Court St., Flint, Mich	990
8AG	Broome, Donald W	100 Grand Ave., Mt. Clemens, Mich	1,000
8AIM	Brothers, Loyd C	Wellington, Ohio	550
8KF	Broughton, Harry J	Rose Hill N V	250 500
8QS 8VC	Brow, Robert Brown, Arthur B	Rose Hill, N. Y	12
8UD	Brown, Kenneth W	640 Harrison Ave., Scranton, Pa	12
8NU	Brown, Willard S	2134 E. 77th St., Cleveland, Ohio 1300 Steuben St., Utica, N. Y	500
8FR	Brownell, Elmer	1300 Steuben St., Utica, N. Y	18
8AAU 8AFM	Brownell, Ralph Bruley, Cyril G	854 Prendergast Ave., Jamestown, N. Y Industrial School, Lansing, Mich	500 40
8AHE	Bruning, Miles F	2842 Mt. Pleasant Ave., Hamilton, Ohio	27
8FL	Buchanan, Sutton R	1 920 Brice Ave Lima Ohio	990
8CW	Bucholz, Herbert C	1014 Bath St., Ann Arbor, Mich	27
8VS 8AHU	Buck, E. Harold Buckwalter, Eugene M	1014 Bath St., Ann Arbor, Mich	15 660
8AIS	Burdick, George M. C	251 Coodwin Arra Datroit Wish	250

AMATEUR RADIO STATIONS—Eighth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station,	Location of station.	Power.
The I			Watts.
8FI	Burger, Richard W	822 S. McDonel St., Lima, Ohio	495
8ALU	Burkhardt, George E	286 Garson Ave., Rochester, N. Y	500
8AGH	Burns, Herman E	107 W. John St., Martinsburg, W. Va	300
8GA	Burr, Gordon	7209 Clinton Ave., Cleveland, Ohio	550
8RD	Burr, Roy C	68 E. Elm St., Norwalk, Ohio	1,000
8AAM	Burton, Charles A	1485 Winton Ave., Lakewood, Ohio	660
8MH	Bushnell, Clarence E	1485 Winton Ave., Lakewood, Ohio 645 W. Perry St., Buffalo, N. Y	48
8PI	Butcher, W. Byron	Waynesfield Ohio	1,000
8AID	Butine, Arthur B	Waynesfield, Ohio	24
8AIA	Cady, Fred L	448 Bowery St., Akron, Ohio.	(
8VR	Calvert, George C	5309 Ellsworth Ave., Pittsburgh, Pa	750
8WK	Campbell George E	831 Woodward Ave., McKees Rocks, Pa	1,000
8UL	Campbell, George F Campbell, Henry W	118 S. 5th St., Ironton, Ohio	220
8NH	Campbell, Helly W	203 N. Ash St., St. Marys, Ohio	180
8VY	Candler, Mrs. Charles Caplan, Zola	4821 Centre Ave., Pittsburgh, Pa	50
8AGW	Carleen Wondell I	37 Maple St., Jamestown, N. Y	650
	Carlson, Wendell L	Gibsonburg Ohio	45
8AJK	Carmack, Floyd A	Gibsonburg, Ohio	45
8AIT	Carpenter, Sears	1140 James St., Kalamazoo, Mich	550
8MV	Carson, William H	4 Warring Ave., Buffalo, N. Y	440
8ED	Carver, Alfred J	Pengapia Mich	550
8VI	Case, Harlow	Benzonia, Mich	440
8UC	Chadde, Walter F	02 Paradona Ava Highland Park Mich	250
8JY	Chamberlain, Oscar A	93 Pasadena Ave., Highland Park, Mich 130 W. Delaware Ave., Toledo, Ohio	18
8AMA	Champe, Willard A	130 W. Delaware Ave., 10ledo, Olio	220
8ADG	Chandler, Merle C	1471 Winton Ave., Lakewood, Ohio	550
8VG	Chartener, Ralph R	1110 Grandview St., Pittsburgh, Pa 217 N. Monroe St., Titusville, Pa 913 10th St., Port Huron, Mich	495
8PH	Chick, John B	217 N. Monroe St., Titusvine, Fa	1,000
8AEE	Churchill, Herbert S	913 10th St., Port Huron, Mich	900
8SQ	Clarke, John H	1010 Central Ave., Dunkirk, N. Y	500
8IU	Clarke, W. Andrew	Glenshaw, Pa	770
8FJ	Clausing, Leroy M. E Clough, Bert E	406 Nye St., Lima, Ohio	1,000
8AJ	Clough, Bert E	186 N. Washington Ave., Battle Creek, Mich.	1,000
8DV	Cobb, Rupert G	17 E. Alexandrine Ave., Detroit, Mich	50
8AHT	Coldewey, Fred W., jr	W. 71st St., Cincinnati, Ohio	30
8AET	Cole, Kenneth	45 King St., Oberlin, Ohio	1
8WY	Coleman, Aaron B	45 King St., Oberlin, Ohio	40
8SM	Coleman H Burr	Savannah N Y	120
8FG	Coleman, H. Burr Coleman, John B	328 Locust St., Edgewood Park, Pa	100
8IM	Collins, Benjamin F	152 N. 4th St., Steubenville, Ohio	120
8KO	Combs, Frayne	601 W. Anglaize St., Wapakoneta, Ohio	50
8ADI	Conley, S. Dewey	2018 Carson St., Pittsburgh, Pa	2
8WD	Conlon, Bernard	Alexandria Bay, N. Y	20
8AHG	Cook, Paul	Alexandria Bay, N. Y	2
8NC	Coolidge, James H., 3d.	34 Chanman Ave. East Cleveland, Ohio	28
8KB	Core, Eugene D	53 E. High St., Columbus Grove, Ohio	100
	Corey, Harry E	Richmond, Mich	3:
8QL		39 W. Mulberry St., Springfield, Ohio	100
8AMX	Corey, Samuel I	52 Schiller St., Binghamton, N. Y	5
8AHK	Couperthwait, George F.	1122 West Ave. Elvria N. Y.	
8CR	Crabba I E	1122 West Ave., Elyria, N. Y. Glenville High School, Cleveland, Ohio.	99
8WC	Crabbe, J. E Crandall, J. Lee	41 1st Ave., Franklinville, N. Y.	55
8ADM	Cromov Loslio D	221 Euclid Ave., Mt. Clemens, Mich	25
8GZ	Cromey, Leslie D	362 Walnut St., Buffalo, N. Y	
8KX	Cuff, Harold C	Dindrillo Po	1
8TF	Cunningham, Fred B	Birdville, Pa	
8EW	Current, Warren J	306 Elm St., Ithaca, N. Y	
8AEA	Cushman, Robert A	50 Green St. Frederic N V	
8RK 8AKE	Dalrymple, Clarence F Daly, James J	59 Green St., Fredonia, N. Y	4

AMATEUR RADIO STATIONS—EIGHTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
8CF	Danner, Howard M	225 E. Market St., Wilkesbarre, Pa	250
8ALI	Dauberman, John R	1232 Race St., Sunbury, Pa	27
8FM	Daugherty, Robert J	628 W. Main St., Hamilton, Ohio	250
8BC	Davis, Charles C	Fenton, Mich	880
8AEG 8AN	Davis, Ellsworth	Morrice, Mich.	440
8VZ	Davis, Frank	73 Dakota Ave., Columbus, Ohio	500
8ALR	Davis, Harry R Davis, Paul E., jr	4917 Washington St., Pittsburgh, Pa	550 275
8PI	Day, James M.	R. F. D., Gross Isle, Mich	1, 000
8MQ	Dear, Harry D.	636 Preble Ave., Pittsburgh, Pa	20
8TG	Dehnel, Alfred H	424 Washington St., Sandusky, Ohio	933
8AO	Deighan, Edward L	5415 Herman Ave., Cleveland, Ohio	220
8IX	Dencer, John	1021 Tuscarawas St., Canton, Ohio	50
8WG	Densmore, U. Harry	220 Mitchell St., Petoskey, Mich	248
8AGM	Derr, Paul L	517 Wabash Ave., Akron, Ohio	6
8KJ	Des Jardins, Gregory T	2019 Main St., Cincinnati, Ohio	6
8AHN	De Tries, Garold G	77 Pleasant Ave., Lancaster, N. Y	22
8KK	Devaney, Richard G	196 Murray St., Binghamton, N. Y	20
8IJ	Diederich, Paul E	915 E. Grand Blvd., Detroit, Mich	1,000
8AAH	Ditto, Earl J	614 State St., Petoskey, Mich	250
8KV	Dobbie, John, jr	700 Buffalo Ave., Niagara Falls, N. Y	500
8AME 8AEO	Dobson, J. Howard	25 Cornell Ave., Kenmore, N. Y	72
8AAG	Doeright, Gilbert A	145 Illinois Ave., Youngstown, Ohio	190
8TQ	Dominick, John H Donaldson, William E	56 Gallatin Ave., Buffalo, N. Y	30
8FS	Donohue, Daniel, jr	2413 Collingwood Ave., Toledo, Ohio 227 Florida Ave., Lorain, Ohio	250 12
8EF	Dorst, Edward L	39 Eaton St., Buffalo, N. Y.	18
8ABT	Dotterweich, Edward, jr.	533 Swan St., Dunkirk, N. Y	30
8AAS	Dotterweich, Francis X	523 Dove St., Dunkirk, N. Y	60
80W	Dotterweich, Joseph H	379 Genesee St., Buffalo, N. Y	500
8TL	Dowding, Sidney J	57 Welts St., Mt. Clemens, Mich	225
8DU	Downing, Harry E	689 E. 118th St., Cleveland, Ohio	550
8ADH	Drda, Alois P	770 E. 70th St., Cleveland, Ohio	990
8KL	Dreifus, Fred B	5621 Hays St., Pittsburgh, Pa	24
8OX	Dreux, Alexander J	48 Garner Avenue, Buffalo, N. Y	18
8BD	Dugan, Charles	316 Laurel Ave., Olean, N. Y.	250
	Dunlap, Orrin E., jr	1029 Cleveland Ave., Niagara Falls, N. Y.	250
8AGY 8GD	Durham, Harold M	17 Cohasset St., Pittsburgh, Pa 103 W. Willis Ave., Detroit, Mich	500 30
8AKY	Dutt, Angus Dyke, S. Eugene	211 Porter Ave., Warren, Ohio	250
8SW	Eames, William F	841 N. St. Clair St., Pittsburgh, Pa,	275
8ACD	Eaton, Hamilton A	1145 Taylor Ave., Utica, N. Y	18
8VL	Edick, Leonard J	89 Forest St., Gloversville, N. Y	330
8UK	Egan, James	120 Barton St., Buffalo, N. Y	50
8TY	Ehrhardt, Roy C	820 Monroe Ave., Scranton, Pa	990
8PJ	Ehrich, William F	300 Warren St., Bucyrus, Ohio	1,000
8ACO	Ekelberger, Charles	834 S. 7th St., Hamilton, Ohio	36
8AQ	Ela, Edward C. and William C.	1320 Woodland Ave., Pittsburgh, Pa	400
8ER	Elias, Louis W	742 City Park Ave., Columbus, Ohio	412
8TS	Eppley, Ervin W	R. F. D. No. 4. Elvria, Ohio	80
8AEI	Eppley, Ervin W Erskine, James	212 Cass Ave., Mt. Clemens, Mich	100
8GG	Eucher, Clarence J	7427 Detroit Ave., Cleveland, Ohio	550
8ACS	Evans, Harold T	1745 W. Cleneay Ave., Norwood, Ohio	18
8AJD	Evans, Henry S	47 Orchard Ave., Bellevue, Pa	500
8AJG	Evans, Willard M	404 Centre Ave., Aspinwall, Pa	40
8AMR	Ewell, Pearl A	Milan, Ohio	20
8SE 8HU	Falck, Norman B Faroo, Glenn	1529 Ďavis Ave., Pittsburgh, Pa 269 Grand Ave., Rochester, N. Y	400 440
	nuron trienn	CONTROLIO AVE. BUCHENIEL IV. I	441

Call signal.	Owner of station.	Location of station.	Power.
8HN	Fac Door	761 N West St. Lime Ohio	Watts. 1, 000
8FA	Fee, Dean	761 N. West St., Lima, Ohio	495
8LS	Fender, Clinton H Ferris, Warren O	514 Elizabeth St., Petoskey, Mich	250
8CA	Fidler, Sherwood K	173 S. 6th St., Ironton, Ohio	12
8FE	Finch Brent S	1727 E. McMillan St., Cincinnati, Ohio	385
8MK	Finch, Brent S Finch, William G. H	521 W. 7th St., Cincinnati, Ohio	500
8AFD	Finley, Chester T	R. F. D. No. 9, Mansfield, Ohio	30
8TR	Fischer Carol V	811 Harrison Ave. Scranton, Pa	20
8MG	Fischer, Carol V Fish, J. Mulford	811 Harrison Ave., Scranton, Pa	20
8KQ	Fisher, Earl U	1505 5th Ave., Pittsburgh, Pa	20
8MY	Fisher, Harold W	906 W. Wayne St., Lima, Ohio	500
8AAZ	Flagg, Lloyd E	158 Anderson Pl., Buffalo, N. Y	250
8TN	Fla Havhan, Harry E., ir.	1813 Termon Ave., N. S., Pittsburgh, Pa	550
8UM	Flehr, Paul D	106 S. 7th St., Ironton, Ohio	10
8MW	Follet, Louis H., jr	Crafton, Pa	1,000
8UA	Foncanon, Knight	Crafton, Pa	385
8ADK	Ford. Elliot	129 Dartmouth St., Rochester, N. Y	36
8IQ	Forsberg, William Forshee, Kenneth Foster, Clarence M	1561 S. Limestone St., Springfield, Ohio	15
8CŬ	Forshee, Kenneth	South Butler, N. Y	33
8HR	Foster, Clarence M	Clarks Summit, Pa	32
8SF	KOWIGE Robort	324 Walnut St., Flint, Mich.	500
8AT	France, William	829 Western Ave., Pittsburgh, Pa 102 Garner Ave., Buffalo, N. Y	500
8HZ	rraser, John W	102 Garner Ave., Buffalo, N. Y	40
8VX	Fraser, William T	48 Glenwood Ave., Buffalo, N. Y	990
8NB	Frederick, Paul E	215 Clay St., Tiffin, Ohio	490
8TJ	Friedman, Martin	2259 E. 85th St., Cleveland, Ohio.	330
8DP	Fritsche, Lewis W	4208 Florida Ave., Cincinnati, Ohio	550
8VA 8AU	Frost, August. Frost, Harry E	116 Herman St., Buffalo, N. Y	24 220
8AV	Fullwood, William R	1017 Pollock Ave. New Castle Pa	660
80J	Furlong, Marcie J	711 N. Main St., Clyde, Ohio	250
8KP	Fuss, Chester G.	Little Valley, N. Y.	990
8TH	Gallo, Tony	Brockwayville, Pa.	550
8AEM	Gallo, Tony. Galloway, W. Lyon Gamble, Frederick D	110 W. Main St., Xenia, Ohio	1,000
8PK	Gamble, Frederick D	2412 Putnam St., Toledo, Ohio	500
8AMC	Garrette, Milton W Garrity, William D	Hazleton, Pa	250
8IO	Garrity, William D	Hazleton, Pa. 20 W. Genesee St., Lockport, N. Y	330
8EG	Gebhard, Louis A	1127 Ellicott St., Buffalo, N. Y	550
8VU	Geiser, Roger A	25 Hazelwood Ave., Emsworth, Pa	550
8AX	Gentzsch, Leonard H	102 Northampton St., Buffalo, N. Y	18
8AKT	George, Charles G	81 E. Tremaine Ave., Kenmore, N. Y	36
8AEC	Gerhard, David H	R. F. D. No. 3, Hamilton, Ohio	27
8AKW	Giesenberg, Carl Gillmore, Willard F	3499 Boudinot Ave., Cincinnati, Ohio	50
8WI	Gillmore, Willard F	10815 Churchill Ave., Cleveland, Ohio	880
8TE	Gilmore, Alden J	3434 Dawson St., Pittsburgh, Pa	250
8SN	Glatzell, Earle D	448 S. 1st St., Ann Arbor, Mich	660
8AIW 8WF	Glover, James W	620 Oxford Rd., Ann Arbor, Mich	27 500
OWL	Goertemoeller, Bernard H.	3908 Edgewood Ave., Cincinnati, Ohio	500
8RY	Goetz, Carl P	1518 Knowlton St., Cincinnati, Ohio	500
8AW	Gogel, Adelbert J	628 S. Erie St., Toledo, Ohio	500
8OF	Goodwin, Seth A	6032 St. Marie St., Pittsburgh, Pa	1,000
8VH	Googin, Nicholas L., jr	Cazenovia, N. Y	250
8EI	Gray, Clarence N	74 Ryan St., Buffalo, N. Y	250
8ADT	Greenwald, Hugo	9815 Westchester Ave., Cleveland, Onio	220
8CG	Grieb, Edward J	121 Rose St., Springfield, Ohio	15
8IA	Griffin, John F	5219 Superior Ave., Cleveland, Ohio	40
8ND	Grigg, Arthur		495
8CK	Grinnell, Russell R	Richmond, Mich	275
8AAO	Gritton, Jack	760 Damon Pl., Akron, Ohio	8

Amateur Radio Stations—Eighth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
OADM	Course Harland B	940 Garage & Galanda a Oli	Watts.
8ABM	Grosse, Herbert F	346 Germania St., Columbus, Ohio	400
8QR	Grostick, George E	1605 Wagar Ave., Lakewood, Ohio	1,000
8CO	Grove City College	Grove City, Pa. 1033 Morris St., Utica, N. Y.	1,000
8BW	Gruber, William S	1033 Morris St., Utica, N. Y	20
8JA	Gunn, Ross	369 W. Lorain St., Oberlin, Ohio	500
8DI	Gurnee, Floyd L	Howell, Mich	200
8RO	Gwinner, Frederick, 3d.	5th and Amberson Sts., Pittsburgh, Pa	750
8QB	Haderer, John	330 Fox St., Buffalo, N. Y. 410 Center St., Solvay, N. Y.	500
8MD	Hall, Eldred R	410 Center St., Solvay, N. Y	750
8GT	Hamel, Arthur	29 Martin St., Amnerst, Onio	550
8AGC	Hamilton, Frank A., jr	4020 Floral Ave., Norwood, Ohio	27
8AJU	Hammerstrom, Amy M	R. F. D. No. 21, Westfield, N. Y. 337 S. Main St., Charlotte, Mich.	12
8US	Hancock, H. W.	337 S. Main St., Charlotte, Mich	1,000
8AGT	Hand, Ledyard M	1645 Lyson St. NE., Grand Rapids, Mich.	27
8TB	Handler, Eugene H	924 St. Paul St., Rochester, N. Y	36
8NW	Hankin, John H Hansen, Edmund H	30 Schutz Ave., Buffalo, N. Y	250
8AZ	Hansen, Edmund H	31 Deer St., Plymouth, Mich	750
8NO	Hansen, Torvald	7325 Clinton Ave., Cleveland, Ohio	220
8AGE	Hanville, Roy A	North Fairfield, Ohio	36
8WT	Harber, Elwood F	507 Columbia Ave., Rochester, N. Y	18
8NR	Hare, Paul W	Fredericktown, Ohio	36
8AJT	Hart, Harold F	620 Richfield Rd., Flint, Mich	27
8PS	Hart, John R.	Duncannon, Pa.	440
8AM	Hartle, Wilbert G	1438 W. 114th St., Cleveland, Ohio	250
8AKH	Hartwich, Harry	Clarks Summit, Pa.	30
8AKG	Hassell, Karl E	291 Ridge Ave., Sharpsville, Pa	50
8WP	Hauenstein, Waldo E Hawxhurst, Wilbur F	653 N. West St., Lima, Ohio	880
8WV		719 Church St., Ann Arbor, Mich	550
8SZ	Hay, Russell	31 Auchinvole St., Buffalo, N. Y	18
8FH	Haynes, William	102 N. Florence St., Springfield, Ohio	750
8AIB	Heinrich, Raymond	605 Hanover St., Hamilton, Ohio	500
SAAE	Helbling, William E Henders, Vernon W Henlein, Carl A	36 Marion Ave., Crafton, Pa	550
8AD	Henders, Vernon W	551 E. 114th St., Cleveland, Ohio	250
8EX	Henlein, Carl A	2446 Mound Ave., Norwood, Ohio	1,000
8ADP	Henney, Keith	344 Pearl St., Marion, Ohio	220
8GN	Henninger, Alan E	2038 W. 100th St., Cleveland, Ohio	990
8JJ	Henze, Jerome C	207 E. Palmer Ave., Detroit, Mich 450 Morgan St., Pittsburgh, Pa	35
8AKF	Hepner, Earl	450 Morgan St., Pittsburgh, Pa	550
8WB	Herrington, Fred	R. F. D. No. 6, Paw Paw, Mich	18
8KC	Hetherington, H. Paul	21 Rhode Island Ave., Highland Park,	220
		Mich.	
8WE	Hickler, Walter R	1340 Lakeland Ave., Lakewood, Ohio	275
8PM	Higgey, Robert C	1072 W. Market St., Lima, Ohio	250
8AMT	Higgins, Orlo M	214 Lake Ave., Elyria, Ohio	495
8AIX	Hilf, Alfred J	Mingo and Grotto Sts., Pittsburgh, Pa	500
8AEX	Hill, Emin	1510 4th St. S. E., Canton, Ohio	380
8BA	Hiller, Herbert A Hills, Virgil A	117 Hanover St., Silver Creek, N. Y	120
8KR	Hills, Virgil A	2066 E. 100th St., Cleveland, Ohio	220
8GB	Hill Top Y. M. C. A	Pittsburgh, Pa	270
8ACA	Hisey, Norval W Hoehl, Raymond H	226 Segus Ave., Toledo, Ohio	250
8AIH	Hoeni, Kaymond H	238 Orchard St., Pittsburgh, Pa	42
8ADU	Hoffman, Donald A	50 S. Balch St., Akron, Ohio	18
8GC	Hoffman, Walter R	403 S. 7th St., Ann Arbor, Mich	12
8QV 8FC	Hogan, James E	26 Lincoln Ave., Crafton, Pa	500
8FC	Holden, Ira S	zyzu vernon Pl., Ulncinnati, Uhio	550
8MC	Holmes, Charles A	New Berlin, N. I	1,000
8DR	Holmes, Charles E	310 W. Brown St., Grand Rapids, Mich.	495
8HO	Holt, George W	789 Prospect Ave., Buffalo, N. Y	18
8TM	Hoobler, William H	55 Florence Ave., Bellevue, Pa	880
8IC	Hoover, Paul L	32 Poplar St., Mansfield, Ohio	1,000

AMATEUR RADIO STATIONS—EIGHTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
O A DIT	H-11- O 11W		Watts.
8ABU	Hopkins, Cecil W	812 S. 9th St., Hamilton, Ohio	18
8GQ 8PT	Horn, Herbert E	557 E. 117th St., Cleveland, Ohio	1,000
	Hornung, Romey W	Lavelle, Pa	550
8UR 8AEV	Hott, Loewy	149 S. Main St., Keyser, W. Va	48
8NF	Houck, Homer D	100 Weiller Bu, Toungstown, Onto	18
8AMZ	House, Elra E Hovey, Carlton F	38 Taft St., Battle Creek, Mich	1,000
8AGF	Howard, Carl G	476 Melville St., Rochester, N. Y	200
8BB	Howes, Stanley L	183 S. Pine St., Newark, Ohio	30 250
8ALT	Howland, Dwight	Edinboro, Pa	
8AIJ	Huey, Wesley	Middlefield, Ohio	15 500
8AIN	Hughes, Edward H	Wallington Ohio	18
8RR	Hull, Earl C	Wellington, Ohio	550
8WR	Hultgren, Fred F	710 W. 2d St., Erie, Pa	12
8HM	Human, Edward J. L	532 5th St., Niagara Falls, N. Y.	12
8ADW	Hume, McKinely	603 Hanover St., Hamilton, Ohio	500
8ABA	Hunter, Lafayette D	104 Depew St., Rochester, N. Y	18
8ALM	Hunter, Noble A	Capac. Mich	30
8UI	Hylie, Howard D	Capac, Mich. 1411 Main St., Buffalo, N. Y	770
8ON	Ilgenfritz, Lester M	900 Cass Ave., Detroit, Mich	1,000
8PU	Imbt, Russell	324 Braeside Ave., East Stroudsburg, Pa.	660
8RJ	Irvine, Robert P	3501 Storer Ave., Cleveland, Ohio	1,000
8AGB	Jacks, Albert L	6505 Shetland Ave., Pittsburgh, Pa	330
8JK	Jackson, Cotesworth M.	St. Clair Rd., Pottsville, Pa	300
8DA	Jackson, Joseph, jr	5915 Broad St., Pittsburgh, Pa.	24
8ACM	Jacobus, Roger	312 Beakes St., Ann Arbor, Mich	220
8AGK	James, Charles A	32 Marion St., North Tonawanda, N. Y	30
8BF	Jarvis, Roy B	312 Beakes St., Ann Arbor, Mich	1,000
8AJE	Jax, Clarence	343 Parkdale Ave., Bullalo, N. Y	18
8TK	Jefferys, Paul M	1444 Lauderdale Ave., Lakewood, Ohio	250
8AAF	Jenks, Cyrus C	311 2d St., Ann Arbor, Mich	770
8AGU	Jepson, Mark B	Little Valley, N. Y	550
8EY	Jervis, Thomas E	2325 Reading Rd., Cincinnati, Ohio 10310 Joan Ave., Cleveland, Ohio	250
8GR	Joecken, George I	10310 Joan Ave., Cleveland, Ohio	55
8CN	Johnson, Elmer	455 Willard St., Jamestown, N. Y	18
8ANA	Johnston, Dale S Johnston, S. Paul	822 9th St., Huntington, W. Va	250
SHC	Johnston, S. Paul	201 S. Craig St., Pittsburgh, Pa R. F. D. No. 2, Glenshaw, Pa	275
8ACW	Johnstone, Richard S Jones, D. Walter	R. F. D. No. 2, Glenshaw, Pa	32
8UO	Jones, D. Walter	643 Schuyler Ave., Dorranceton, Pa	500
8QK	Jones, Edwin P	1114 Middle Ave., Elyria, Ohio	30
8QM	Jones, Jesse K	200 W. Market St., Pottsville, Pa	. 24
8AKV	Justus, William F	273 S. Monroe Ave., Columbus, Ohio	18
8AKQ	Kaehni, Francis J	3267 Scranton Rd., Cleveland, Ohio	440
8AIV 8ADO	Kaestle, Albert	1473 Maple Rd., Cleveland Heights, Ohio.	30 18
	Kahn, Fred J	1421 Chester Ave., Cleveland, Ohio	
	Kampfe, Lorbert J	1241 E. 403d St., Cleveland, Ohio 413 Robin St., Dunkirk, N. Y 298 Hurlbut Ave., Detroit, Mich	1,000 15
8AIQ 8BG	Karl, Rudolph Kastenberg, Paul G	200 Humbut Ave Detroit Mich	27
8AIU	Kays, George W., jr	242 Chestnut St., Liberty, N. Y	250
8NM	Keen, William L	4012 Colorain Ava Cincinnati Ohio	440
8ADX	Kellogg, Frederic J.	4012 Colerain Ave., Cincinnati, Ohio Alexandria Bay, N. Y	24
8WZ	Kennedy, Duane E	65 Prospect St., Ashtabula, Ohio	275
8AEB	Kepler, Newton	Venango, Pa.	24
8PC	Kersting, Ferdinand	165 S. Gratiot Ave., Mt. Clemens, Mich.	440
8QE	Kester, Harold P	626 University Ave., Rochester, N. Y	36
8ÃÃV	Kibbe, William H	108 S. Clay St., Coldwater, Mich	12
8AAP	Kimmel, Leslie	Gilboa, Ohio	500
8AKB	Kinback, Wilbur L	820 Hitchcock Court, Scranton, Pa	15
8IW	King, Joe P.	627 3d Ave., Detroit, Mich	20
8BH	Kingsbury, Kenneth	24 Chestnut St., Binghamton, N. Y	

Call signal.	Owner of station.	Location of station.	Power.
	200 - 2		Watts.
8AMY	Kingsbury, Ralph N	504 E. Main St., Ravenna, Ohio	20
8AAT	Kinman, Carson S	931 Rawson Ave., Fremont, Ohio	750
8EU	Kinne, Laurance W	Frankfort, Mich.	120
8QO	Kirly, H. Howard	863 E. 73d St., Cleveland, Ohio	250
8RA	Klager, Oscar C	611 S. Main St., Ann Arbor, Mich	500
8GV	Kleber, Jackson O	1135 Murray Hill Ave., Pittsburgh, Pa	275
8UT	Klein, Harold H	275 Locust St., Buffalo, N. Y	22
8GJ	Kleinhaus, Arthur	162 Conkey Ave., Rochester, N. Y	24
8QF	Klinck, Charles C., jr	38 W. Parade Ave., Buffalo, N. Y	250
8AKI 8AIZ	Klinkner, Alfred J	309 Edmond St., Pittsburgh, Pa	500 30
8DN	Klyne, Arthur B	Canfield, Ohio4 Trankla Ave., Grand Rapids, Mich	375
8GS	Knappen, Bert Kneale, C. Kewley	1337 W. 114th St., Cleveland, Ohio	278
8MN	Knoll, Floyd A	93 Chapin Parkway, Buffalo, N. Y	10
8AJM	Koepke, Elmer A	26 Joseph Ave., Rochester, N. Y	20
8KW	Kohler, Harry W	605 E. Middle St., Wapakoneta, Ohio	36
8EJ	Kolb, Edwin H	18 Camp St., Buffalo, N. Y	660
8GL	Konrad, Henry	750 Ross Ave., Hamilton, Ohio	550
8AFS	Kovatch, Alexander	1780 Fulton Rd., Cleveland, Ohio	24
8PD	Krause, Karl A	244 S. Front St., Mt. Clemens, Mich	228
8JV	Kreighbaum, Cyril H	12414 Ingomar Ave., Cleveland, Ohio	600
8AHW	Kremer, Harold E	717 Race St., Pottsville, Pa	- 20
8CV	Kress, Lester P	302 Georgia Ave., Lorain, Ohio	15
8AMW	Kreuzer, Joseph D	663 Hopkins St., Buffalo, N. Y	2
8BI	Kroeger, Gustav H	1837 Clarion Ave., Cincinnati, Ohio	990
8HY	Kuehner, Roland	168 Kinsey Ave., Cincinnati, Ohio	348
8OC	Kuehnle, George J	156 Woolper Ave., Cincinnati, Ohio	120
8EK	Kumpf, Elmer H	Crittenden, N. Y.	678
8KY	Kunnar, William	R. F. D. No. 4, Ashtabula, Ohio	48
8ALD	Lacock, Walter B	235 W. Pike St., Canonsburg, Pa	18
8KZ	Landgraff, William J	3718 Parviss St., Pittsburgh, Pa	250
8EL	Langenbach, Leo	186 Riley St., Buffalo, N. Y	13
8AIO 8BK	Lannen, Cecil J	Morrice, Mich	278
8RL	Lappe, E. Robert	107 E. Buckeye St., Clyde, Ohio	550
8AGS	Last, George Lathrop, Fred A. L	516 W. Liberty St., Ann Arbor, Mich	30
8UP	Lathrope, Lyman S	63 St. John Ave., Binghamton, N. Y	18
8ABS	Laurenz, George D	1824 Franklin Ave., Toledo, Ohio	48
8TU	Leach, Gardner V	2532 Robinwood Ave., Toledo, Ohio	250
8AGQ	Learmont, Victor	Yale, Mich	18
8AKC	Lee, Harold	436 Allen St., Jamestown, N. Y	27
8EQ	Leighton, Clifford R	128 Eagle St., Utica, N. Y	1,000
8AFT	Leighton, Paul A	14 S. 18th St., Columbus, Ohio	100
8GY	Leonard, Edwin	10703 Hull Ave., Cleveland, Ohio	1,000
8QD	Leonhardt, Carl	14 Olive St., Norwalk, Ohio	500
8AAB	Letherby, Arthur G., jr.	Mt. Pleasant Ave., Hamilton, Ohio	36
8AKM	Lewis, James F	Port Crane, N. Y.	64
8QG	Lewis, Walter E	273 Pennsylvania Ave., Rochester, N. Y.	30
8SV	Lilley, Ralph H	16 Oak St., Westfield, N. Y	200
8CD	Lindhorst, Lester	2824 W. 14th St., Cleveland, Ohio	250
8AGN	Lindsay, Alexander M., jr Lippert, John P	600 Park Ave., Rochester, N. Y	874 275
8BE 8JO	Little Donald G	415 Woodward Ave., Kalamazoo, Mich	920
8IE	Little, Donald G Little, John F. H	35 South St., Lockport, N. Y	550
8MR	Livinggood, Hubert W.	1825 Michigan Ave., Detroit, Mich	1,000
8SR	Locke, Benjamin C	1311 Gallia St., Portsmouth, Ohio	495
8GU	Loehr, George R	11444 Euclid Ave., Cleveland, Ohio	750
8AAN	Lohrey, Clarence R	1215 E. Ludlow St., Hamilton, Ohio	18
8VF	Loomis, Ralph M	74 Columbia Ave., Rochester, N. Y	12
8JG	Lord, Donald M	521 Beach Ave., Cambridge Springs, Pa	

Callsignal.	Owner of station.	Location of station.	Power.
03.57	T 11 69		Watts.
8ML	Lovell, Charles L	540 Prospect Pl., Cincinnati, Ohio	550
8PE	Lucas, Clarence E	119 24th St., Detroit, Mich	16
8OD	Luedeke, William P., jr. Lugibill, Adrian	40 Hodge Ave., Buffalo, N. Y	18
8ACR	Lugibili, Adrian	Columbus Grove, Ohio	250
8ABE	Lund, Daniel B	165 Breckenridge St., Buffalo, N. Y 642 North St., Rochester, N. Y	16
8JQ	Lusink, C. Irving	Diplois N V	18
8BO	Lyons, Henry E	Ripley, N. Y.	60
8JX 8BP	MacCandless, Lyon H	351 Jefferson St., Rochester, Pa	440 880
8EA	Macer, Arthur J Mack, Clifford J	37 Jefferson St., Westfield, N. Y	770
8UZ	Mack, George.	1 Lane Seminary, Cincinnati, Ohio	72
8AFO	MacKnight, J. Donald	44 Tremont Ave., Binghamton, N. Y	15
8AKR	MacLaren, Wallace E	2979 Hampshire Rd., Cleveland Heights,	200
OTTN	MacDhaman William D	Ohio.	220
8UN	MacPherson, William D.	549 A St., Lorain, Ohio	330 20
8VT	Macrow, Lester E Maddock, Lewis D	192 Winkles St Flyris Ohio	32
8 JI . 880	Maggs, H. Carrol	183 Winkles St., Elyria, Ohio	312
8PF		Girard, Ohio	117
8ABO	Malbin, Samuel	728 Elm Pl., Kalamazoo, Mich	1,000
8JZ	Manning Alfred I	3315 Monroe Ave., Cleveland, Ohio	990
8MI	Manning, Howard H	298 Prospect Ave., Meadville, Pa	330
8PX	Marsh, Harry H., jr	Park View, W. Va.	440
8RV	Marshall, Frank J	Park View, W. Va	600
8EN	Marshall, George	2627 Chapline St., Wheeling, W. Va	440
8UV	Marshall, George Marshall, Ronald A	Cazenovia, N. Y	1,000
8QY	Martin, Cecil E	Depew, N. Y	24
8EV	Mason, Carl D	R. F. D. No. 3, Oak Grove, Mich	18
8AMU	Mather, Joseph S	2369 Maplewood Ave., Toledo, Ohio	20
8ABR	Mathes, Mont M Matthes, Frank P	222 S. 7th St., Martins Ferry, Ohio	440
8AHA	Matthes, Frank P	14 8th St., Rochester, N. Y. Frankfort, Mich.	30
8AAQ	Matzinger, Hubel	Y M C A DIJ TI-LA- D	12
8NT	Maue, Leon G	Y. M. C. A. Bldg., Hazleton, Pa.	330
8MB	Maxon, Harry L	267 Brinkman St., Buffalo, N. Y 54 Sellinger St., Rochester, N. Y	30 20
8EM	Mayer, Joseph R	990 Grandinar St. Screnton Po	200
8SY 8AMH	Maynard, Reginald McCaig, William J	920 Grandview St., Scranton, Pa	200
8WH	McCullough, C. Hax	5801 Stanton Ave., Pittsburgh, Pa	500
8AED	McCutcheon, William A.	103 Dow St., Falconer, N. Y	700
8UJ	McDade, Henry J	153 Arkansas St., Buffalo, N. Y	18
8C Z	McDaniel, Donald G	17 Colorado St., Ashtabula, Ohio	385
8BS	McDaniel, Donald G McDonell, Donald	Alexandria Bay, N. Y	1,000
8QI	McEniry, Clifford U	875 Michigan Ave., Buffalo, N. Y	500
8ÅBI	McGraw, George	3218 W. 94th St., Cleveland, Ohio 217 W. High St., Mt. Gilead, Ohio	16
8TD	McMillan, Howard F	217 W. High St., Mt. Gilead, Ohio	990
8UW	l Meinhold, Albert A	206 Bissell Ave., Buffalo, N. Y	18
8BQ	Menges, William E	6428 Aurelia St., Pittsburgh, Pa	500
8AKS	Meredith, C. Palmer	628 S. Fountain St., Springfield, Ohio	440
8IB	Mielke, Carl E	3619 Grenada St., Pittsburgh, Pa	54
8IR	Miller, Arthur P	14 Beuland Ave., Mt. Clemens, Mich	275
8AAX	Miller, Carl E., jr	71 Aurora St., Lancaster, N. Y	12
8AEN	Miller, Lloyd H	663 Yale St., Akron, Ohio	550
8BR	Miner, Simeon J.	2253 E. Jefferson St., Detroit, Mich	500
8AES	Mittendorf, Earl D	172 Washington St., Ironton, Ohio	15
8HP	Moershfelder, Herbert L.	34 Ketchum Pl., Buffalo, N. Y	18
8EDL 8UG	Moler, Charles C	Bakerton, W. Va	300 330
8AFN	Moore, Chester Moore, Harold S	399 Parkdale Ave., Buffalo, N. Y	36
8WA	Morgenstern, Ronald	26 Rebecca St., Tiffin, Ohio	20

Amateur Radio Stations—Eighth District—Alphabetically by Owners of Stations—Continued.

Callsignal.	Owner of station. Location of station.			
0.4.7777	77 77	104 Gt 4 Gt 77	Watts.	
8AEY	Morrow, Floyd D	184 State St., Fairmont, W. Va	500	
8AAL	Moyer, Gilbert G	1603 Lincoln Ave., Lakewood, Ohio State Hospital, Rochester, N. Y	250	
8AS	Muhlbeyer, Charles W	State Hospital, Rochester, N. Y	24	
8ST	Muhlheizler, Louis	530 Fernando St., Pittsburgh, Pa	1,000	
8IS	Munch, Ernest A	105 Excelsior St., Pittsburgh, Pa 77 Newton St., Fredonia, N. Y 25 Calvert Ave., Detroit, Mich	30	
8VV	Munger, George R	77 Newton St., Fredonia, N. 1	500	
8AIR	Munro, Glenn A	20 Carvert Ave., Detroit, Mich	250	
8EB	Munsell, Robert S	191 Center St., Ashtabula, Ohio	260	
8AFG	Murphy, William Y Muryne, Leo F. J	3425 Osage Ave., Cincinnati, Ohio 633 W. North St., Kalamazoo, Mich	250	
8AIE	Muryne, Leo r. J	1210 Huran Dd. Claredand Obje	30	
8HD	Myers, Homer B	1310 Huron Rd., Cleveland, Ohio	20 300	
8CT	Myers, Raymond W Myers, Walter L	1519 W. Market St. Stanbarrille Obia		
8ABD	Myers, waiter L	1512 W. Market St., Steubenville, Ohio	24	
8ALG	Neal, Russell	216 Etna St., Ironton, Ohio	36	
8TP	Nealon, William A Nelson, Frank A	1604 St. Clair St., Cleveland, Ohio	$oxed{12}$	
8PB	Nelson, Frank A	8217 Bellevue Ave., Cleveland, Ohio	250 24	
8WM	Nesbitt, Arthur	1312 W. 2d St., Lorain, Ohio	550	
8MP 8ID	Neupert, Robert E	500 Chartiers Ave., McKees Rocks, Pa	960	
8BL	Norris, George H	77 Melbourne Ave., Detroit, Mich	275	
8BT	O'Bryan, James W	Ranson, W. Va	440	
8VQ	Ogle, Harry B	101 Sawyar Ava Danaw N V	44	
8DF	O'Reilly, J. Bernard Orrell, Robert W	87 Frederick Ave., Detroit, Mich	500	
8LO	Ottelin, Conrad	Of I loadich live, Donoit, Michigan	20	
8SJ	Ottney, James N	3048 Mabel Ave., Cleveland, Ohio R. F. D. No. 4, Gilsonburg, Ohio	22	
8IH	Overbeck, Erwin C	706 W Liberty St. Ann Arbor Mich	20	
8AGX	Paasch, Harold	706 W. Liberty St., Ann Arbor, Mich 215 W. Front St., Erie, Pa		
8AAK	Pardridge, Clarence R	521 Nimons St. Saginaw Mich	1,000	
8AJA	Parmington, Walter O	521 Nimons St., Saginaw, Mich	15	
8AIG	Parry, Kenneth E	1226 Gillette St., Port Huron, Mich	330	
8AMS	Patchin, Ivan C		500	
801	Patterson, Grant, jr	Middleford, Ohio. 35 E. State St., Gloversville, N. Y.	500	
8CY	Payne, Arthur F	596 Bates St., Birmingham, Mich	990	
8PV	Pearson, Harry	4 W. North Ave., Pittsburgh, Pa	. 36	
8ADJ	Pease, Harold C	1114 9th St., Lorain, Ohio	39	
8GX	Pentland, Henry B	2053 E. 105th St., Cleveland, Ohio	495	
8AEF	Perry, Ransom, jr	l Lisle N Y	14	
8SG	Pesek, Myron R	3288 Fulton Rd., Cleveland, Ohio 10 Lowell St., Rochester, N. Y	1,000	
8HT	Petz, Joseph	10 Lowell St., Rochester, N. Y	32	
8LW	Philipp, Lawrence A	Concord, Mich	1,000	
8DJ	Phillips, Glenn E	551 McKinstry Ave., Detroit, Mich	100	
8HX	Phillips, Stanley	Clark's Summit. Pa	18	
8EC	Phillips, Wendell G	2322 E. 85th St., Cleveland, Ohio R. F. D. No. 4, Battle Creek, Mich	24	
8CX	Phippeny, Forrest I	R. F. D. No. 4, Battle Creek, Mich	1,000	
8ADZ	Pitzer, Wilbur E	Blanchester, Ohio	600	
8JF	Plekenpol, Ernest	7404 W. Madison Ave., Cleveland, Ohio.	275	
8AGP	Popky, Charles J	212 E. Market St., Wilkesbarre, Pa	500	
8DX	Porter Harry T	714 Main St., Conneaut, Ohio	1,000	
8QW	Potts, Charles G.	726 W. Norwegian St., Pottsville, Pa	250	
8HQ	Poux, Noel J	432 Pine St., Meadville, Pa	440	
8QP	Powell, Ralph C	5236 Westminster Pl., Pittsburgh, Pa	42	
8WQ	Poysell, Robert E	839 E. Ridgeway Ave., Cincinnati, Ohio.	275	
8ADS	Price, Leo A	685 Richland Court, Akron, Ohio	5	
8AKP	Proper, Jesse B	823 Elizabeth St., Flint, Mich	550	
8AJS	Raichle, Joe L	400 Porter Ave., Buffalo, N. Y	18	
8IN	Ranger, Arthur	209 Belvedere St., Charlevoix, Mich	52	
8ADA	Rann, Maurice B	Morrice, Mich	550	
8JL	Raring, William	20 Dinsmore Ave., Crafton, Pa	440	
8AFW	Reardon, Joseph	582 Dewey Ave., Rochester, N. Y.	30	
8DC	Reb, Frank	1635 Gratiot Ave., Detroit, Mich	1,000	

Amateur Radio Stations—Eighth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station. Location of station.		Power.	
			Watts.	
8ALS	Reed, Arthur J	2633 Norwood Ave., Pittsburgh, Pa	450	
8AHO	Reidenbach, Lester A	510 Sheridan Ave., Pittsburgh, Pa	24	
8AAD	Remington, Otto	R. F. D. No. 1, Bloomingdale, Mich	18	
8FQ	Remorino, L., jr	97 Washington St., Gloversville, N. Y	220	
80P	Reynolds, Charles L	25 Sturges St., Binghamton, N. Y	36	
SAEL	Reynolds, Marion B	353 Birr St., Rochester, N. Y.	32	
8LD	Rice, Homer D	353 Birr St., Rochester, N. Y. 150 Livingston St., Buffalo, N. Y.	18	
8CI	Richards, Theodore D. and George B.	934 W. North Ave., Pittsburgh, Pa	380	
8IK	Richardson, Norton	70 Davenport St., Detroit, Mich	18	
8TW	Richey, Joseph L	241 E. Center St., Shenandoah, Pa	18	
8AGJ	Ricksecker, Russell E		14	
8VD	Riehle J F	Lowellville, Ohio	1,000	
SAEU	Riehle, J. É	1602 2d St. NE., Canton, Ohio	1,000	
8MS	Ritchey, Ole B	Lake City Mich	1,000	
8RF	Ritchie, Carl L	Lake City, Mich		
8NQ	Robbins, Melvin G	305½ Minton St., Pittsburgh, Pa 219 Reynolds St., Kingston, Pa	36	
SHB	Pohorte Horde D		1,000	
	Roberts, Haydn P	11215 Clifton Blvd., Cleveland, Ohio	250	
SMF	Robie, Milo H	7 Lake Ave., Williamson, N. Y	250	
SHA	Roblee, Judson	59 Idlewood Ave., Cleveland, Ohio	250	
BBN	Rockwell, Donald B	17 Walnut St., Wellsboro, Pa	32	
8WX	Rodd, Herbert C	2047 W. 101st St., Cleveland, Ohio	480	
BDQ	Roener, Hubert J	115 Floyd St., Toledo, Ohio	30	
BDT	Rogers, Grant	2065 McKinley Ave., Lakewood, Ohio	1,000	
BLY	Rose, Herman	77 Johnson St., Buffalo, N. Y	18	
BAJN	Rosenthal, Sydney	124 E. Tupper St., Buffalo, N. Y	15	
BADC	Roy, Percy W	295 Maple St., Buffalo, N. Y	24	
BBM	Ruhl, Mark	160 Martin Ave., Columbus, Ohio	495	
BAL	Russell, James L	2125 E. 79th St., Cleveland, Ohio	16	
BAIP	Salter, Albion E	763 Park Ave., Rochester, N. Y	12	
BAII	Sanborn, Irwin T	332 14th Ave., Detroit, Mich.	18	
BLF	Saunders, Ezra L	141 4th Ave., Gallipolis, Ohio	750	
BAKZ	Sayles, Thomas S	1420 14th Ave., Detroit, Mich	440	
BAFI	Scales, Herbert N	320 East Ave., Rochester, N. Y	24	
PO	Schaaf, John M	300 Warren St., Bucyrus, Ohio	1,000	
BJH	Schaefer, George A	96 Martin St., Rochester, N. Y	20	
BAGI	Schafer, Charles	29 Grant St., Auburn, N. Y	36	
SAMD	Schaible, Raymond	867 Pennsylvania Ave., Detroit, Mich	18	
HG	Schardt, Carl M	12813 Marston Ave., Cleveland, Ohio	30	
BOK	Schardt, Carl M Scheib, Joseph F	6243 Station St., Pittsburgh, Pa	250	
FW	Schlegel, Ralph C	Crafton, Pa.	440	
AFA	Schlesinger, Louis	1842 Centre Ave., Pittsburgh, Pa	166	
RW	Schmidle Claude	Ebenezer, N. Y.	250	
SB	Schmidle, Claude Schmidt, Norman F	5600 Forbes St., Pittsburgh, Pa	250	
UU	'Schmidtz, George	750 Ross Ave., Hamilton, Ohio	550	
WR	Schmitt William R	710 W. 2d St., Erie, Pa	12	
AJI	Schober William	189 Van Dylra Ava Datrait Mich	500	
AR	Schom Volentine A	182 Van Dyke Ave., Detroit, Mich		
	Schmitt, William R Schober, William Schorn, Valentine A Schrier, Henry	338 Antietam St., Detroit, Mich	72	
ADF	Schrief, Henry	1127 S. Park St., Kalamazoo, Mich	20	
QU	Schunck, Robert F	407 W. Anglaize St., Wapakoneta, Ohio	20	
LL	Schwanecamp, Raymond	207 Lemon St., Buffalo, N. Y.	30	
BY	Schwindt, Herman J	3517 Bevis Ave., Cincinnati, Ohio	60	
LE	Scott, Hoyt S	North Fairfield, Ohio	30	
EP	Scovill, Edward H	10528 Park Lane, Cleveland, Ohio	750	
AGR	Scupholm, Fred J	939 Court St., Port Huron, Mich	495	
EE	Selden, James M., jr	42 Creighton Ave., Crafton, Pa	1,000	
HF	Shaney, Aubrey A	42 Creighton Ave., Crafton, Pa	220	
LZ	Sharbaugh, Wilbur	2109 Eoff St., Wheeling, W. Va	550	
PQ	Shaw, Eurcile L	205½ E. Anglaize St., Wapakoneta, Ohio.	100	

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Amateur Radio Stations—Eighth District—Alphabetically by Owners of Stations—Continued.

Can signai.	ignal. Owner of station. Location of station.			
			Watts.	
8AEP	Shedd, Arthur R	302 Main St., Butler, Pa	12	
8AHI	Sheldon, Carew	302 Main St., Butler, Pa	38	
8BJ	Shelley, Clayton B	Barker, N. Y	40	
8JR	Sherrell, Alvan C	Barker, N. Y	750	
8AMN	Shiffer, R. A	338 S. 4th St., Sunbury, Pa	250	
BACI	Shively, Norman J	2134 Cameron Ave., Norwood, Ohio	1,000	
8AFR	Shurance, Joseph	R. F. D. No. 4, Mansfield, Ohio	44	
8LG	Sibert, Richard E	111 E. Benton St., Wapakoneta, Ohio	60	
8KS	Sidnell, Robert G	1268 W. 115th St., Cleveland, Ohio	3	
SVE	Siedle, William R	5637 Rippey St., Pittsburgh, Pa	33	
BACN	Siegfried, Rudolf	58 Center St., Ashtabula, Ohio	22	
8CM	Simpson, Joseph N	281 Columbia Ave., Rochester, N. Y	1	
8UX	Sleeman, Walter R	205 Sagamore St., Pittsburgh, Pa	70	
8AHR	Sloyer, Roy E	825 N. Church St., Kalamazoo, Mich	50	
8QT	Sly, Edward E	1820 Myrtle St., Erie Pa. 363 Potomac Ave., Buffalo, N. Y.	14	
8AJR	Smith, Harold H	Highland Ave. Menticelle N. V.	$\frac{1}{2}$	
8RM 8VK	Smith, Harold M Smith, Johnny	Highland Ave., Monticello, N. Y	1	
8AK	Smith, Russell E	121 High St., Elm Grove, W. Va. 521 2d Ave., Tarentum, Pa.	3	
BOE	Smith, Verne E	Knox, Pa.	4	
BADR	Smith, Warren T	Oakdale, Pa	79	
BALA	Snider, Ellwood H	Oakdale, Pa 20 Normandy Ave., Rochester, N. Y	1	
SAEW	Snyder, Carroll M	Adams, N. Y	10	
SFO	Snyder, Norman G	7 Central Ave., Ithaca, N. Y.	3	
8FT	Spargo, James A., jr	403 N. George St., Rome, N. Y.	1,00	
8AKX	Spaulding, Claude W	32 Robinson Ter., Plattsburg, N. Y	10	
BLN	Spaulding, Ray F	Ripley, N. Y	2	
8DL	Spearman, Monroe	Ripley, N. Y	1	
8AMK	Spencer, Élmer H	1145 Niagara St., Buffalo, N. Y	3	
8GW	Spencer, J. Edmund	65 Center St., Ashtabula, Ohio	25	
8HK	Spiller, Archibald G	211 Strathmore Ave., East Cleveland,	30	
		Ohio.	1 4	
8SH	Spotts, Ralph T	1633 Lakeview Ave., Cleveland, Ohio	77	
8ACT	Staab, H. Herman	41 N. 4th St., Ironton, Ohio	44	
8BU	Stableford, Vernon	Yale, Mich	90	
8AKL	Stanley, Clinton B	405 Jersey St., Buffalo, N. Y	7 00	
8UE	St. Augustine School	933 Bank St., Cincinnati, Ohio	1,00	
8OZ 8AER	Staten, Arthur Staud, Cyril J	203 Rutgers St., Rochester, N. Y.	1	
8LH	Stauft, Jacob L	347 Oakland Ave., Pittsburgh, Pa	22 25	
BDY	Stecher, Harold I	15 Bedford Ave., Monticello, N. Y	4	
BZ	Steele, Maurice	769 A St., Lorain, Ohio	1	
BII	Steim, L. Harold	R. F. D. No. 2, Kittanning, Pa	5	
BADN	Stein, Robert R	Ohio State Armory, Norwalk, Ohio	99	
8UQ	Steinkirchner, Fred B	285 Columbia Ave., Rochester, N. Y	1	
SIZ	Steinman, Dwight H	416 Pine St., Lima, Ohio	99	
3WJ	Stelzer, James G		1	
BSL	Stenzel, Arthur W	125 Geary St., Buffalo, N. Y	55	
8OL	Stern, Fred W	835 Glenwood Ave., Cincinnati, Ohio	25	
8VW	Stevens, Allen C	1821 Humboldt Ave., Cincinnati, Ohio	. 5	
8TX	Stevens, Burdett F., jr	333 Ellicott St., Buffalo, N. Y	2	
8VM	Stevens, William H	78 Mynderse St., Seneca Falls, N. Y	44	
8HE	Stevenson, George L	Durand, Mich	1,00	
8AGA	Stiles, Willis E	917 North St., Rochester, N. Y	1	
8PR	Stiveson, Andrew	223 Alpine Ave., Pittsburgh, Pa	6	
8WL	Stone, Dana C	58 Edna Pl., Buffalo, N. Y	2	
SAAR	Stouffer, Vernon B	15109 Clifton Blvd., Lakewood, Ohio	34	
8AKK	Straith, Floyd E Straub, John O	80 Pingree Ave., Detroit, Mich	82	
8NY	OURSUD JOHN ()	1724 Wightman St., Pittsburgh, Pa	25	

Call signal.	Owner of station.	Location of station.	Power.
	Am. Carlotte		Watts.
8HW	Strunk, William O	107 Lake St., Ithaca, N. Y	27
8AMO	Supernaw, Jack S	305 Dixon Ave., Charlevoix, Mich	500
8IY	Swain, Herbert N	405 Franklin Ave., Hamilton, Ohio	990
8AMF	Swingle, Forrest W	18 Alfred St., Binghamton, N. Y	18
8WS	Swingle, Forrest W Taylor, J. L., jr	Barker, N. Y.	18
8DH	Temple, Lemuel M	2358 Auburn Ave., Cincinnati, Ohio	330
8HJ	Towns Tomos F		1,000
	Terry, James E Thiessen, H. W. F Thomas, William K	1877 E. 90th St. NE., Cleveland, Ohio	
8CB	Thomas William V	161 E. McMicken Ave., Cincinnati, Ohio.	500
8DE	Thomas, William K	400 Minton St., Pittsburgh, Pa	500
8AMV	Thompson, Charles R	815 Wall St., Port Huron, Mich	495
8AML	Thurn, Alois H	W. Greenlawn Ave., Columbus, Ohio	36
8AAC	Tiffany, Wade R	62 State St., Susquehanna, Pa	550
8ADE	Tiffany, Wade R Todd, Conway L	62 Berkeley St., Rochester, N. Y	660
8FN	Toland, Gerald H	R. F. D. No. 3, Geneseo, N. Y	100
8VB	Trombley, Clarence E	145 Washington Ave., Mt. Clemens, Mich.	500
8IP	Trotter, Robert J	214 Amanda Ave., Mt. Oliver, Pa	250
8AMP	Tynes, John P	226 Woodward Ave., Buffalo, N. Y.	100
8RT	Ubersax, Delmar G	2248 E. 100th St., Cleveland, Ohio	18
8FB	Ulsh, Chester	451 Summit St., Marion, Ohio	15
8VJ	Umbarger, Harold N	239 W. 5th St., Mansfield, Ohio	1,000
8IF	Urban, Raymond G	Pine Ridge Rd., Buffalo, N. Y	660
8SX	Vanderveken, Marix	2210 N. Washington Ave., Scranton, Pa	750
8ES	Van Hoesen, Claude L	206 Frank St., Rochester, N. Y	60
8AFK	Vennum, John E	R. F. D. No. 1, Chester, W. Va	32
8AKN	Von Behren, William P.	2149 Scottwood St., Toledo, Ohio	30
8GI	Wahl, Edward C	60 Stewart Ave Buffalo N Y	24
8OB	Waldrip, Laurence H	60 Stewart Ave., Buffalo, N. Y	36
8FD	Walker, Carl	1626 Potter Pl Cincinnati Obio	12
8TV	Wallace, L. Gordon	1626 Potter Pl., Cincinnati, Ohio 25 Grover St., Auburn, N. Y	30
8CL		837 N. 12th St., Cambridge, Ohio	1,000
8AGV	Waller, Roy W	1 Ellicott St. Denew N V	
8FX	Waltz, Roy A Wand, Eugene C	1 Ellicott St., Depew, N. Y	250
8AAY	Wannenmacher, Harvey.	18 Brookfield Pl., Lancaster, N. Y	24
8NA	Waterman, Fred W		
8MU		116 Broad St., Elyria, Ohio	500 18
8DD	Watson, Martin L	1118 Pearl St., Port Huron, Mich.	900
	Watts, Felix J		
8GH	Weaver, Floyd H	Richmond, Mich	30
8PW	Weaver, Frank M	2706 Toledo St., Pittsburgh, Pa	1,000
8ADV	Wedthoff, Guy G	1720 6th St., Bay City, Mich	1,000
8RE	Weeks, Stuart R	Richmond, Mich	880
8RC	Weil, Norman C	231 Riley St., Buffalo, N. Y	770
8ABK	Weimer, John	271 S. Main St., Mansfield, Ohio	125
8NX	Weiser, Elmer P	284 Brinkman St., Buffalo, N. Y	660
8AEJ	Weiss, Frank J	Amherst, Ohio	550
8HV	Weller, Alvin	1503 Mars Ave., Lakewood, Ohio	450
8OR	Weny, Joseph C	58 Catherine Court, Allegan, Mich	550
8AP	Werner, George	42 E. North St., Buffalo, N. Y	18
8AEZ	West, M. B	511 W. Eureka St., Lima, Ohio	800
8JS	West Tech Wireless Club.	W. 93d St. and Willard Ave., Cleveland, Ohio.	1,000
8ADQ	West, Walter A	617 W. King St., Martinsburg, W. Va	24
8JM	Westfall, Earl J	292 Ontario St., Buffalo, N. Y.	27
8RS	Westrick, Leslie	500 4th St., St. Clair, Mich.	24
8ALW	Weyer, Elliott R	Washington, Pa	24
8DK	Whitmover Relph E	190 Frederick Ave., Detroit, Mich	24
8LK	Whitmoyer, Ralph E Wieneke, Edward	128 Peterboro St., Detroit, Mich	24
8TC		Reach and 2d Ste Flint Mich	995
8WO	Wilder Edwin M	Beach and 3d Sts., Flint, Mich	
8UH	Wildey, Edwin M Wiley, Violet A	105 Portland Ave., Rochester, N. Y 159 Northampton St., Buffalo, N. Y	12 15
OULL	WILLY, VIOLED A	100 Hormanipon Du, Dunaio, N. I	19

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Amateur Radio Stations—Eighth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
8AMB	Willhagen, Herman	1245 Joseph Campau Ave., Detroit, Mich.	18
8IL	Williams, Burton P	2321 Perrysville Ave., Pittsburgh, Pa	500
8EH	Williams, Claude	820 Brooks St., Ann Arbor, Mich	30
8KE	Williams, Edward R	Euclid, Ohio	1,000
8AHD	Wilson, Árthur Y	Euclid, Ohio	495
8AMI	Wilson, George S	1423 Main St., Buffalo, N. Y	18
8AFE	Windham, Elwood A	914 Lincoln Ave., Port Huron, Mich	100
8UF	Wing, Willis K	938 Grand Ave., Toledo, Ohio	264
8NE	Winglemire, Maurice	Saginaw St., Holly, Mich	1,000
8AMG	Witzel, Ray	143 Sanford St., Rochester, N. Y	13
8AGD	Woehler, Vernon J	508 Blackhoof St., Wapakoneta, Ohio	500
8AHM	Wolfinger, Ralph W	716 S. State St., Marion, Ohio	25
8AI	Wonsey, Ray C	302 4th St., St. Clair, Mich	12
8FP	Wood, Corlan E	Allegan, Mich	
8SA	Wood, Dewey H	Allegan, Mich	20
8LM	Wood, John P	Glenwood, N. Y.	18
8AKO	Woodbury, George F	Glenwood, N. Y	18
8SK	Woodcock, William D	496 W. Ferry St., Buffalo, N. Y	1,000
8AMM	Woodin, Lloyd	15 Lakin Ave., Jamestown, N. Y	
8AGO	Woodmansee, Harold W.	214 Morris Ave., Buffalo, N. Y	250
8AAI	Woodruff, Charles H	48 Woodruff Ave., Columbus, Ohio	330
8SU	Woodworth, Samuel	48 Woodruff Ave., Columbus, Ohio DeWitt, N. Y	660
8OA	Worbass, Raymond K	7410 Carnegie Ave., Cleveland, Ohio	250
8SS	Wurtz, Francis L	Boston, N. Y.	80
8WN	Yerigan, George S	632 E. Ludlow St., Hamilton, Ohio	18
SALK	Young, Joel	717 W. Gray St., Elmira, N. Y	250
8AEK	Young, Lawrence G	1102 Moyer St., Pittsburgh, Pa	1,000
8WU	Young, L. Clifford	722 N. Washington St., Van Wert, Ohio	82
8GB	Young Men's Christian	Zara and Virginia Sts., Pittsburgh, Pa	270
1	Association.	2000 0000 1 1000 000 000 1 1000 000 000 000 1 1000 0000	
8GK	Young, Montgomery K	19 Darien St., Rochester, N. Y	10
8ABN	Young, Oliver H	201 Voorhees Ave., Buffalo, N. Y	liò
8AMJ	Zahm, D. F.	356 Broadway, Buffalo, N. Y	30
8IT	Zelenka, Stanley	3546 Carlyle Ave., Cleveland, Ohio	20
8CH	Zikovsky, Theodore	44 Kingsville Ave., Ashtabula, Ohio	330
8VN	Zornow, Harry	661 E. 120th St., Cleveland, Ohio	660
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ALPHABETICALLY BY CALL SIGNALS.

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8AAB Letherby, Arthur G., jr. 8AAR 8AAC Tiffany, Wade R. 8AAD Remington, Otto. 8AAE Helbling, William E. 8AAU Jenks, Cyrus C. 8AAG Dominick, John H. 8AAW Anderson, Thure C. 8AAH Ditto, Earl J. 8AAX Miller, Carl E., jr.	Call signal.	Owner of station.	Call signal,	Owner of station.	_
8AAI Woodrun, Charles H. 8AAJ Altenberg, Clarence P. 8AAK Pardridge, Clarence R. 8AAL Moyer, Gilbert G. 8AAM Burton, Charles A. 8AAN Lohrey, Clarence R. 8AAN Gritton, Jack. 8AAP Kimmel, Leslie. 8AAY Wannenacher, Harvey. 8AAY Flagg, Lloyd E. 8ABA Barr, Forrest L. 8ABA Hunter, Lafayette D. 8ABE Lund, Daniel B. 8ABG Ackerman, Lee D. 8ABI McGraw, George.	8AAB 8AAC 8AAAD 8AAE 8AAF 8AAG 8AAH 8AAJ 8AAK 8AAL 8AAM 8AAN 8AAN	Letherby, Arthur G., jr. Tiffany, Wade R. Remington, Otto. Helbling, William E. Jenks, Cyrus C. Dominick, John H. Ditto, Earl J. Woodruff, Charles H. Altenberg, Clarence P. Pardridge, Clarence R. Moyer, Gilbert G. Burton, Charles A. Lohrey, Clarence R. Gritton, Jack.	8AAK 8AAS 8AAT 8AAU 8AAW 8AAX 8AAX 8AAZ 8AB 8ABA 8ABD 8ABE 8ABG	Stouffer, Vernon B. Dotterweich, Francis X. Kinman, Carson S. Brownell, Ralph. Kibbe, William H. Anderson, Thure C. Miller, Carl E., ir. Wannenacher, Harvey. Flagg, Lloyd E. Barr, Forrest L. Hunter, Lafayette D. Myers, Walter L. Lund, Daniel B. Ackerman, Lee D.	

AMATEUR RADIO STATIONS—EIGHTH DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

RABK RABM Grosse, Herbert F. Young, Oliver H. RABO RABS ABBN RABS RABS RABS RABS RABS RABS RABS RABS				
ABBM SABN Young, Oliver H. ABBO Mann, Frank W. and Orville L. ABBB Math'ss, Mont M. BABS Math'ss, Mont M. BABC Math'ss, Month's Math'ss, Month's	Call signal,	Owner of station.	Call signal.	Owner of station.
ABBM SABN Young, Oliver H. ABBO Mann, Frank W. and Orville L. ABBB Math'ss, Mont M. BABS Math'ss, Mont M. BABC Math'ss, Month's Math'ss, Month's	8ABK	Wimer, John.	SAEL	Reynolds Marion B
8ABN ABBO ABBR ABBO ABBR ABBC ABBR ABBS ABBT<				
SABB SABR SABB SABB SABB SABB SABB SABB				Miller, Lloyd H.
8ABR 8ABS 8ABS 8ABS 8ABS 8ABT BABW 8ABU 8ABW 8ABW 8ABW 8ABW 8ABW 8ACA BIELLY NORVALW 8ACA 8ACE 8ACA Allisey, Norval W. 8ACA 8ACB 8ACA 8ACB 8ACA 8ACB <td></td> <td>Mann, Frank W. and Orville L.</td> <td></td> <td>Doeright, Gilbert A.</td>		Mann, Frank W. and Orville L.		Doeright, Gilbert A.
AABB ABBT BABT Dotterwich, Edward, jr. ABABU Straw, R. Clytle. Hisey, Norval W. ACC Hisey, Norman J. BACI Shively, Norman J. BACI West, M. B. Schlesinger, Louis. Finley, Chester T. West, Marph, William P. Schlesinger, Louis. Finley, Chester T. West, M. B. Schlesinger, Louis. Finley, Chester T. West, Marph, William S. Schlesinger, Louis. BAFD Westles M. BAFD Westles M. BAFD Schlesinger, Louis. BAFP Windham, Elwood A. BAFD Westles M. BAFD Schlesinger, Louis. BAFY Wordham, Elwood A. BAFD Westles M. BAFD Schlesinger, Louis. BAFE Wordham, Elwood A. BAFE Wordham, Elwood A. BAFE Wordham, Ployd D. Westles, Fall D. Cole, Kennch. BAEU Hallon, Houck, Morrow, Floyd D. West, Marlod T. BAFE Sher, Robert R. BAFD Sherier, Carles. BAFE Sher, Robert R. BAFB Sher, Robert R. BAFB Sher, Robert R. BAFB Sher, Robert R. BAFB Sher, Robert R. BAF	8ABR	Mathes, Mont M.		
ABBT KABU Hopkins, Cecil W. SABW Straw, R. Clyde. ABACA Hisey, Norval W. Eaton, Hamilton A. ACCD Shively, Norman J. ACCD Shows M. ACCD Shively, Norman J. ACCD Shively, Norman J. ACCD Shively, Norman J. ACCD Shively, Norman J. ACCD Shively, Norman J. ACCD Shively, Norman J. ACCD Shively More, Carroll M. Holuck, Homer D. ACCD Sheepis M. ACCD Shively, Norman J. ACCD Sheep				
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SACE Ahlbeim, Norman J. SACE Ahlbeim, Norman J. SACK Blair, Russell M. SACK Blair, Russell M. SACM Jacobus, Roger. SACN Siegfried, Rudolf. SACE Ekelberger, Charles. Lugibill, Adrian. SACE Stab, H. Herman. SACU Wilhagen, August G. SACW Johnstone, Richard S. SAD Henders, Vernon W. SADD Rann, Maurice R. SADD Rann, Maurice R. SADD Rassett, G. M. Earle. SADE Todd, Conway L. SADE Todd, Conway L. SADE Todd, Conway L. SADE Todd, Conway L. SADI Pease, Harold C. SADH Moler, Charles C. Conley, S. Dewey. SADD Moler, Charles C. SADB Moler, Charles C. SADB SADD West, Walter A. SADD West, Walter A. SADD Moler, Charles C. SADB Sand Moler, Charles C. SADB SADO West, Walter A. SADD West, Walter A. SADD Moler, Charles C. SAGE Moler, Charles C.				
SACE SACI Shively, Norman J. SACK SACM Jacobus, Roger. SACN Siegfried, Rudolf. SACO Ekelberger, Charles. SACR Lugibill, Adrian. SACS Evans, Harold T. SACT Staab, H. Herman. SACU Willhagen, August G. SACW Johnstone, Richard S. SAD Henders, Vernon W. SADD Rann, Maurice R. SADE Roy, Percy W. SADD Fassett, G. M. Earle. SADE Schrier, Henry. SADE ADDE Chandler, Merle C. SADH Drda, Alois P. SADH Moler, Charles C. SADH Moler, Charles C. SADH Moler, Charles C. SADH Moler, Charles C. SADD Moler, Charles C. SADD Staib, H. Herman. SADE Staib, H. Herman. SADE Schrier, Henry. SADC Schlesinger, Louis. SAFR Schlesinger, Louis. SAFR Windham, Elwood A. Murphy, William Y. Scales, Herbert N. Veacles, Herbert N. Veacles, Herbert N. Safr Moore, Harold G. SAFR MacKnight, J. Donald. Shurance, Joseph. SAFR Kovatch, Alexander. Leighton, Paul A. Beaman, Paul S. Reardon, Joseph. Broome, Donald W. SAGB Stiles, Willis.E. Jacks, Albert L. Ja				
SACI Shively, Norman J. SACK Blair, Russell M. SACO Siegried, Rudolf. SACO Ekelberger, Charles. Lugibill, Adrian. SACS Evans, Harold T. SACT Staab, H. Herman. SACU Johnstone, Richard S. SAD Johnstone, Richard S. SAD Henders, Vernon W. SADA Rann, Maurice R. SADD Fassett, G. M. Earle. SADE Todd, Conway L. SADE Schrier, Henry. SADE Conley, S. Dewey. SADI Ford, Elliott. SADI Moler, Charles C. SADH Moler, Charles C. SADH Moler, Charles C. SADH Moler, Charles C. SADH Stain, Fred J. SADD Henney, Keith. SADD Henney, Keith. SADD Henney, Keith. SADD Henney, Keith. SADD Henney, Keith. SADD Hoffman, Donald A. SADD Hoffman, Donald A. SADY SADY Hume, McKinley. SADY Anderson, Harry M. SADY SAEE SAEE Berndt, Ulliam F. SAEE SAEE SAEE SAEE SAEE SAEE SAEE SAEE SAEE SAEE SAEE SAEE SAEE SAEE SAEE				
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8ADM Stein, Robert R. 8ADO Stein, Robert R. 8ADO Kahn, Fred J. 8ADP Henney, Keith. 8ADQ West, Walter A. 8ADR Smith, Warren T. 8ADD Greenwald, Hugo. 8ADU Hoffman, Donald A. 8ADV Wedthoff, Guy G. 8ADW Hume, McKinley. 8ADY Anderson, Harry M. 8ADZ Pitzer, Wilbur E. 8AE Berndt, William F. 8AEA Cushman, Robert A. 8AEB Kepler, Newton. 8AEC Gerhard, David II. 8AEC Gerhard, David II. 8AEC Churchill, Herbert S. 8AEF Perry, Ransom, jr. 8AEH Balson, Donald W. 8AEJ Weiss, Frank J. 8AGG Berryman, Plimpton S. 8AGG Berryman, Plimpton S. 8AGG Berryman, Plimpton S. 8AGG Berryman, Plimpton S. 8AGG Berryman, Plimpton S. 8AGG Berryman, Plimpton S. 8AGH Burns, Herman E. 8AGI Bishop, Robert C. 8AGM Derr, Paul L. 8AGN Woodmansee, Harold W. 8AGQ Learmont, Victor. 8AGR Scupholm, Fred J. 8AGG Berryman, Plimpton S. 8AGGI Bishop, Robert C. 8AGGN Woodmansee, Harold W. 8AGG Learmont, Victor. 8AGG Scupholm, Fred J. 8AGG Bornard, Durham, Harold M. 8AGG Paasch, Harold. 8AGG Bohannan, Robert C. 8AGG Borryman, Plimpton S. 8AGGI Berryman, Plimpton S. 8AGGI Burns, Herman E. 8AGGI Burns, Herman E. 8AGGI Burns, Herman E. 8AGGI Burns, Herman E. 8AGGI Burns, Herman E. 8AGGI Burns, Herman E. 8AGGI Burns, Herman E. 8AGGI Burns, Herman E. 8AGGI Burns, Herman E. 8AGGI Burns, Herman E. 8AGGI Burns, Herman E. 8AGGI Burns, Herman E. 8AGGI Burns, Herman E. 8AGGI Burns, Hardes. 8AGGI Bishop, Robert C. 8AGGN Woodmansee, Harold W. 8AGR Scupholm, Fred J. 8AGG Woodmansee, Harold W. 8AGG Carlson, Wedell L. 8AGG Bohannan, Robert C. 8AGG Woodmansee, Harold W. 8AGG Barns, Perd J. 8AGG Bohannan, Robert C. 8AGG Bohannan, Robert C. 8AGG Bohannan, Robert C. 8AGG Bohannan, Robert C. 8AGG Bohannan, Robert C. 8AGG Bohannan, Robert C. 8AGG Bohannan, Robert C. 8AGH Bohannan, Robert C. 8AGG Bohannan, Robert C. 8AGG Bohannan, Robert C. 8AGG Bohannan, Robert C. 8AGG Bohannan, Robert C. 8AGG Bohannan, Robert C. 8AGG Bohannan, Robert C. 8AGG Bohannan, Robert C. 8AGG Bohannan, Robert C. 8AGG Bohannan, Robert C. 8AGG Bohannan, Robert C. 8AGG Bohannan, Robert C. 8AGG Bohannan, Robert C		Ford, Elliott.		Woehler, Vernon J.
SADN Stein, Robert R. Kahn, Fred J. Schafer, Charles. A. Schafer, Charles. Schafer,				Hanville, Roy A.
8ADO Kahn, Fred J. 8AGH 8AGI				
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8ADS Price, Leo A. 8AGL 8AGM Bishop, Robert C. Derr, Paul L. Baddy Derr, Paul L. Baddy Popky, Charles J. Baddy Popky, Charles J. Baddy		Smith Warren T		
8ADT Greenwald, Hugo. 8ADU Hoffman, Donald A. 8AGN Wedthoff, Guy G. 8ADW Hume, McKinley. 8ADX Kellogg, Frederic J. 8ADY Anderson, Harry M. 8ADZ Pitzer, Wilbur E. 8AE Berndt, William F. 8AEA Cushman, Robert A. 8AEB Kepler, Newton. 8AEB Kepler, Newton. 8AEC Gerhard, David H. 8AED McCutcheon, William A. 8AEF Perry, Ransom, jr. 8AEG Davis, Ellsworth. 8AEH Balson, Donald W. 8AEI Erskine, James. 8AEJ Weiss, Frank J. 8AGM Woodmansee, Harold W. 8AGP Popky, Charles J. 8AGP Popky, Charles J. 8AGP BAGR Scupholm, Fred J. 8AGR Scupholm		Price, Leo A.		Bishop, Robert C.
8ADU Hoffman, Donald A. 8ADV Wedthoff, Guy G. 8ADW Hume, McKinley. 8ADX Kellogg, Frederic J. 8ADY Anderson, Harry M. 8ADZ Pitzer, Wilbur E. 8AEB Berndt, William F. 8AEB Kepler, Newton. 8AEC Gerhard, David II. 8AED McCutcheon, William A. 8AEF Perry, Ransom, jr. 8AEG Davis, Ellsworth. 8AEH Balson, Donald W. 8AEI Erskine, James. 8AEG Woodmansee, Harold W. 8AGQ Learmont, Victor. 8AGR Scupholm, Fred J. 8AGR Lathrop, Fred A. L. Hand, Ledyard M. 8AGU Jepson, Mark B. 8AGV Waltz, Roy A. Carlson, Wendell L. 8AGY Durham, Harold M. 8AGZ Bohannan, Robert C. 8AHA Matthes, Frank P. 8AHB SAHB Weiss, Frank J. 8AHG Cook, Paul.				
8ADW Kellogg, Frederic J. 8ADY Anderson, Harry M. 8ADZ Pitzer, Wilbur E. 8AE Berndt, William F. 8AEA Cushman, Robert A. 8AEC Gerhard, David H. 8AEC Gerhard, David II. 8AEE Churchill, Herbert S. 8AEF Perry, Ransom, jr. 8AEG Davis, Ellsworth. 8AEH Balson, Donald W. 8AEJ Weiss, Frank J. 8AGP Popky, Charles J. 8AGP Learmont, Victor. 8AGR Scupholm, Fred J. 8AGR Hand, Ledyard M. 8AGU Jepson, Mark B. 8AGU Carlson, Wendell L. 8AGW Carlson, Wendell L. 8AGG Paasch, Harold. 8AGZ Bohannan, Robert C. 8AHA Matthes, Frank P. 8AHD Wilson, Arthur Y. 8AHB Bruning, Miles F. 8AHG Cook, Paul.	8ADU	Hoffman, Donald A.	8AGN	Lindsay, Alexander M., jr.
8ADX Kellogg, Frederic J. 8ADY Anderson, Harry M. 8ADZ Pitzer, Wilbur E. 8AE Berndt, William F. 8AEA Cushman, Robert A. 8AEB Kepler, Newton. 8AEC Gerhard, David H. 8AED McCutcheon, William A. 8AEE Churchill, Herbert S. 8AEF Perry, Ransom, jr. 8AEG Davis, Ellsworth. 8AEH Balson, Donald W. 8AEI Erskine, James. 8AGQ Learmont, Victor. 8AGR Scupholm, Fred J. 8AGV Carlson, Markell B. 8AGV Carlson, Markell B. 8AGV Carlson, Markell B. 8AGV Carlson, Markell B. 8AGV Carlson, Markell B. 8	8ADV	Wedthoff, Guy G.		Woodmansee, Harold W.
8ADYAnderson, Harry M.8AGRScupholm, Fred J.8ADZPitzer, Wilbur E.8AGSLathrop, Fred A. L.8AEBerndt, William F.8AGTHand, Ledyard M.8AEACushman, Robert A.8AGUJepson, Mark B.8AEBKepler, Newton.8AGVWaltz, Roy A.8AEDMcCutcheon, William A.8AGWCarlson, Wendell L.8AEDMcCutcheon, William A.8AGYPaasch, Harold.8AEFPerry, Ransom, jr.8AGZBohannan, Robert C.8AEGBalson, Donald W.8AHDMatthes, Frank P.8AEHBalson, Donald W.8AHDWilson, Arthur Y.8AEJWeiss, Frank J.8AHGCook, Paul.				
8ADZ Pitzer, Wilbur E. 8AE Berndt, William F. 8AEA (Cushman, Robert A. 8AEB Kepler, Newton. 8AEC Gerhard, David II. 8AED McCutcheon, William A. 8AEE Churchill, Herbert S. 8AEF Perry, Ransom, jr. 8AEG Davis, Ellsworth. 8AEH Balson, Donald W. 8AEI Erskine, James. 8AEJ Weiss, Frank J. 8AGS Lathrop, Fred A. L. 8AGY Waltz, Roy A. 8AGV Carlson, Wendell L. 8AGY Durham, Harold M. 8AGZ Bohannan, Robert C. 8AHA Matthes, Frank P. 8AHD Wilson, Arthur Y. 8AHE Bruning, Miles F. 8AHG Cook, Paul.				Learmont, Victor.
8AE Berndt, William F. 8AEA Cushman, Robert A. 8AGU Jepson, Mark B. 8AGV Waltz, Roy A. 8AGW Carlson, Wendell L. 8AGW Paasch, Harold. 8AGF Perry, Ransom, jr. 8AEG Davis, Ellsworth. 8AEH Balson, Donald W. 8AEJ Weiss, Frank J. 8AGT Hand, Ledyard M. 9AGV Waltz, Roy A. 8AGW Carlson, Wendell L. 8AGZ Bohannan, Robert C. 8AHA Matthes, Frank P. 8AHD Wilson, Arthur Y. 8AHE Bruning, Miles F. 8AHG Cook, Paul.			N	
8AEACushman, Robert A.8AGUJepson, Mark B.8AEBKepler, Newton.8AGVWaltz, Roy A.8AECGerhard, David H.8AGWCarlson, Wendell L.8AEDMcCutcheon, William A.8AGXPaasch, Harold.8AEFPerry, Ransom, jr.8AGZBohannan, Robert C.8AEGDavis, Ellsworth.8AHAMatthes, Frank P.8AEHBalson, Donald W.8AHDWilson, Arthur Y.8AEJWeiss, Frank J.8AHGCook, Paul.				
8AEB Kepler, Newton. 8AGV Waltz, Roy A. 8AEC Gerhard, David II. 8AGW Carlson, Wendell L. 8AEE McCutcheon, William A. 8AGX Paasch, Harold. 8AEF Perry, Ransom, jr. 8AGZ Bohannan, Robert C. 8AEG Davis, Ellsworth. 8AHA Matthes, Frank P. 8AEH Balson, Donald W. 8AHD Wilson, Arthur Y. 8AEJ Weiss, Frank J. 8AHG Cook, Paul.				
8AEC Gerhard, David II. 8AED McCutcheon, William A. 8AEE Churchill, Herbert S. 8AGY Basch, Harold. 8AGY Durham, Harold M. 8AGG Bohannan, Robert C. 8AHA Matthes, Frank P. 8AEI Erskine, James. 8AHC BAHG Cook, Paul.		Kenler Newton		Waltz Roy A
8AED McCutcheon, William A. 8AEE Churchill, Herbert S. 8AGY Bohannan, Harold M. 8AGG Perry, Ransom, jr. 8AGG Bohannan, Robert C. 8AHA Matthes, Frank P. 8AHD Wilson, Arthur Y. 8AEI Erskine, James. 8AHC Bruning, Miles F. 8AHG Cook, Paul.		Gerhard David II		Carlson, Wendell L.
8AEE Churchill, Herbert S. 8AGY Bohannan, Robert C. 8AEG Balson, Donald W. 8AEI Bruning, Miles F. 8AEJ Weiss, Frank J. 8AHG Cook, Paul.		McCutcheon William A.		Paasch, Harold.
8AEF Perry, Ransom, jr. 8AEG Davis, Ellsworth. 8AEH Balson, Donald W. 8AEI Erskine, James. 8AEJ Weiss, Frank J. 8AGZ Bohannan, Robert C. 8AHA Matthes, Frank P. 8AHD Wilson, Arthur Y. 8AHE Bruning, Miles F. 8AHG Cook, Paul.				
8AEG Davis, Ellsworth. 8AEH Balson, Donald W. 8AEI Erskine, James. 8AEJ Weiss, Frank J. 8AHA Matthes, Frank P. Wilson, Arthur Y. Bruning, Miles F. Cook, Paul.				
8AEH Balson, Donald W. 8AEI Erskine, James. 8AEJ Weiss, Frank J. 8AHB Wilson, Arthur Y. 8AHE Bruning, Miles F. 8AHG Cook, Paul.			8AHA	Matthes, Frank P.
8AEJ Weiss, Frank J. 8AHG Cook, Paul.		Balson, Donald W.		Wilson, Arthur Y.
8AEJ Weiss, Frank J. 8AEK Young, Lawrence G. 8AHG Cook, Paul. 8AHI Sheldon, Carew.				
SAEK Young, Lawrence G. SAH1 Sheldon, Carew.				Cook, Paul.
	SAEK	Young, Lawrence G.	I SAHL	oneidon, Carew.

Amateur Radio Stations—Eighth District—Alphabetically by Call Signals—Continued.

Callsignal.	Owner of station.	Call signal.	Owner of station.
8AHK	Couperthwait, George F.	8AKJ	Barnwell, Albert E.
8AHM	Wolfinger, Ralph W.	8AKK	Straith, Floyd E.
8AHN	De Tries, Garold G.	8AKL	Stanley, Clinton B.
8AHO	Reidenbach, Lester A.	8AKM	Lewis, James F.
8AHR	Sloyer, Roy E.	8AKN	Von Behren, William P.
8AHS	Bechtol, George, jr.	8AKO	Woodbury, George F.
8AHT	Coldewey, Fred W., jr.	8AKP	Proper, Jesse B.
8AHU	Buckwalter, Eugene M.	8AKQ	Kaehni, Francis J.
OHLE	True marter, Erageiro Er.	8AKŘ	MacLaren, Wallace E.
8AHW	Kremer, Harold E.	8AKS	Meredith, C. Palmer.
8AI	Wonsey, Ray C.	8AKT	George, Charles C.
8AIA	Cady, Fred L.	8AKU	Adams, Miles R.
8AIB	Heinrich, Raymond.	8AKV	Justus, William F.
8AID	Butine, Arthur B.	8AKW	Giesenberg, Carl.
8AIE	Muryne, Leo F. J.	8AKX	Spaulding, Claude W.
8AIF	Bell, Irving.	8AKY	Dyke, S. Eugene.
8AIG	Parry, Kenneth E.	8AKZ	Sayles, Thomas S.
8AIH	Hoehl, Raymond H.	8AL	Russell, James.
8AII	Sanborn, Irwin T.	8ALA	Snider, Ellwood H.
8AIJ	Huey, Wesley.	8ALD	Lacock, Walter B.
8AIK	Boyd, Donald M.	SALE	Alexander, Lot.
8AIL	Beaumont, William F.	8ALG	Neal, Russell.
8AIM	Brothers, Loyd C.	8ALI	Dauberman, John R.
8AIN	Hughes, Edward H.	8ALK	Young, Joel.
8AIO	Lannen, Cecil J.	8ALM	Hunter, Noble A.
8AIP	Salter, Albion E.	8ALN	Addis, Roy R.
8AIQ	Karl, Rudolph.	8ALO	Bovee, Charles W.
8AIŘ	Munro, Glenn A.	8ALR	Davis, Paul E., jr.
8AIS	Burdick, George M. C.	8ALS	Reed, Arthur J.
8AIT	Carpenter, Sears.	8ALT	Howland, Dwight.
8AIU	Kays, George W., jr.	8ALU	Burkhardt, George E.
8AIV	Kaestle, Albert.	8ALW	Weyer, Elliott R.
8AIW	Glover, James W.	8AM	Hartle, Wilbert G.
8AIX	Hilf, Alfred J.	8AMA	Champe, Willard A.
8AIY	Boastfield, Thomas W.	8AMB	Willhagen, Herman.
8AIZ	Klyne, Arthur B.	8AMC	Garrette, Milton W.
8AJ	Clough, Bert E.	8AMD	Schaible, Raymond.
8AJA	Parmington, Walter O.	8AME	Dobson, J. Howard.
8AJD	Evans, Henry S.	8AMF	Swingle, Forrest W.
8AJE	Jax, Clarence.	8AMG	Witzel, Ray.
8AJG	Evans, Willard M.	8AMH	McCaig, William J.
8AJI	Schober, William.	8AMI	McCaig, William J. Wilson, George S.
8AJK	Carmack, Floyd A.	8AMJ	Zahm, D. F.
8AJM	Koepke, Elmer A.	8AMK	Spencer, Elmer H.
8AJN	Rosenthal, Sydney.	8AML	Thurn, Alois H.
8AJO	Amann, J. C.	8AMM	Woodin, Lloyd.
8AJR	Smith, Harold H.	8AMN	Shiffer, R. A.
8AJS	Raichle Joe L.	8AMO	Supernaw, Jack S.
8AJT	Hart, Harold F.	8AMP	Tynes, John P.
8AJU	Hammerstrom, Amy M.	8AMQ	Anson, Charles T.
8AJW	Aland, Joseph T.	8AMŘ	Ewell, Pearl A.
8AK	Smith, Russell E.	8AMS	Patchin, Ivan C.
8AKA	Bender, Raymond C.	8AMT	Higgins, Orlo M.
8AKB	Kinback, Wilbur L.	8AMU	Mather, Joseph S.
8AKC	Lee, Harold.	8AMV	Thompson, Charles R.
8AKD	Beam, Francis H.	8AMW	Kreuzer, Joseph D.
8AKE	Daly, James J.	8AMX	Cory, Samuel I.
8AKF	Hepner, Earl.	8AMY	Kingsbury, Ralph N.
8AKG	Hassell, Karl E.	8AMZ	Hovey, Carlton F.
8AKH	Hartwich, Harry.	8AN	Hovey, Carlton F. Davis, Frank.
8AKI	Klinkner, Alfred J.	8ANA	Johnston, Dale S.
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Amateur Radio Stations—Eighth District—Alphabetically by Call Signals—Continued.

Callsignal.	Owner of station.	Call signal.	Owner of station.
8AO	Deighan, Edward L.	8CY	Payne, Arthur F.
8AP	Werner, George.	8CZ	McDaniel, Donald G.
8AQ	Ela, Edward C. and William C.		
8AR	Schorn, Valentine A.	8DA	Jackson, Joseph, jr.
8AS	Muhlbeyer, Charles W.	8DC	Reb, Frank.
8AT	France, William.	8DD	Watts, Felix J.
8AU	Frost, Harry E.	8DE	Thomas, William K.
8AV	Fullwood, William R.	8DF	Orrell, Robert W.
8AW	Gogel, Adelbert J.	8DH	Temple, Lemuel M.
8AX	Gentzsch, Leonard II.	8DI	Gurnee, Floyd L.
8AZ	Hansen, Edmund H.	8D J	Phillips, Glenn E.
		8DK	Whitmoyer, Ralph E.
8BA	Hiller, Herbert A.	8DL	Spearman, Monroe.
8BB	Howes, Stanley L.	8DN	Knappen, Bert.
8BC	Davis, Charles C.	8DO	Bell, Norman W.
8BD	Dugan, Charles.	8DP	Fritsche, Lewis W.
8BE	Lippert, John P.	8DQ	Roener, Hubert J.
8BF	Jarvis, Roy B.	8DR	Holmes, Charles E.
8BG	Kastenberg, Paul G.	8DT	Rogers, Grant.
8BH	Kingsbury, Kenneth.	8DU	Downing, Harry E.
8BI	Kroeger, Gustav H.	8DV	Cobb, Rupert G.
8BJ	Shelley, Clayton B.	8DW	Apger, Charles O.
8BK 8BL	Lappe, E. Robert.	8DX 8DY	Porter, Harry T. Stecher, Harold I.
8BM	O'Bryan, James W. Ruhl, Mark.	8DZ	Aker, Ellison E.
8BN	Rockwell, Donald B.	602	Aker, 151118011 12.
8BO	Lyons, Henry E.	8EA	Mack, Clifford J.
8BP	Macer, Arthur T.	8EB	Munsell, Robert S.
8BQ	Menges, William E.	8EC	Phillips, Wendell G.
8BŘ	Miner, Simeon J.	8ED	Carver, Alfred J.
8BS	McDonell, Donald.	8EE	Selden, James M., jr.
8BT	Ogle, Harry B.	8EF	Dorst, Edward L.
8BU	Stableford, Vernon.	8EG	Gebhard, Louis A.
8BW	Gruber, William S.	8EH	Williams, Claude.
8BY	Schwindt, Herman J.	8EI	Gray, Clarence N.
8BZ	Steele, Maurice.	8EJ	Kolb, Edwin H.
		8EK	Kumpf, Elmer H.
8CA	Fidler, Sherwood K.	8EL	Langenbach, Leo.
8CB	Thiessen, H. W. F.	8EM	Mayer, Joseph R.
8CC	Barnett, Walter J.	8EN	Marshall, George.
8CD	Lindhorst, Lester.	8EP	Scovill, Edward H.
8CE	Adler, Jerome.	8EQ	Leighton, Clifford R. Elias, Louis W.
8CF 8CG	Danner, Howard M. Grieb, Edward J.	8ER 8ES	Van Hoesen, Claude L.
8CH	Zikovsky, Theodore.	8EU	Kinne, Laurance W.
8CI	Richards, Theodore D. and	8EV	Mason, Carl D.
301	George B.	8EW	Current, Warren J.
8CJ	Andrews, William S.	8EX	Henlein, Carl L.
8C K	Grinnell, Russell R.	8EY	Jervis, Thomas E.
8CL	Waller, Roy W.		,,
8CM	Simpson, Joseph N.	8FA	Fender Clinton H.
8CN	Johnson, Elmer.	8FB	Ulsh, Chester.
8CO	Grove City College.	8FC	Holden, Ira S.
8CQ	Brede, Erwin F.	8FD	Walker, Carl.
8CR	Coven, Allen W.	8FE	Finch, Brent S.
8CS	Benzee, Henry J.	8FF	Baker, Raymond S.
8CT	Myers, Raymond W.	8FG	Coleman, John B.
8CU	Forshee, Kenneth.	8FH	Haynes, William.
8CV	Kress, Lester P.	8FI	Burger, Richard W.
8CW	Bucholz, Herbert C.	8FJ	Clausing, Leroy M. E.
8CX	Phippeny, Forrest I.	8FL	Buchanan, Sutton R.

Amateur Radio Stations—Eighth District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
8FM	Daugherty, Robert J.	8IA	Griffin, John F.
8FN	Toland, Gerald H.	8IB	Mielke, Carl E.
8FO	Snyder, Norman G.	8IC	Hoover, Paul L.
8FP	Wood, Corlan E.	8ID	Norris, George H.
8FQ	Romorino I in	8IE	Little, John F. H.
	Remorino, L., jr. Brownell, Elmer.	8IF	Urban Parmand G
8FR	Donaline Deniel in	8IH	Urban, Raymond G.
8FS	Donohue, Daniel, jr.		Overbeck, Erwin C.
8FT	Spargo, James A., jr.	8II	Steim, L. Harold.
8FU	Blattner, E. Herman.	8IJ	Diederich, Paul E.
8FV	Backus, Harry F.	8IK	Richardson, Norton.
8FW	Schlegel, Ralph C.	8IL	Williams, Burton P.
8FX	Wand, Eugene C.	8IM	Collins, Benjamin F.
	D C	8IN	Ranger, Arthur.
8GA	Burr, Gordon.	810	Garrity, William D.
8GB	Hill Top Y. M. C. A.	8IP	Trotter, Robert J.
8GC	Hoffman, Walter R.	8IQ	Forsberg, William.
8GD	Dutt, Angus.	8IR	Miller, Arthur P.
8GE	Anderson, John M., jr.	818	Munch, Ernest A.
8 <u>GG</u>	Eucher, Clarence J.	8IT	Zelenka, Stanley.
8GH	Weaver, Floyd H.	8IU	Clark, W. Andrew.
8GI	Wahl, Edward C.	8IV	Brehmer, Harry.
8GJ	Kleinhaus, Arthur.	8IW	King, Joe P.
8GK	Young, Montgomery K.	8IX	Dencer, John.
8GL	Konrad, Henry.	8IY	Swain, Herbert N.
8GN	Henninger, Alan E.	8IZ	Steinman, Dwight H.
8GQ	Horn, Herbert E.		
8GR	Joecken, George I.	8JA	Gunn, Ross.
8GS	Kneale, C. Kewley.	8JB	Beare, George L.
8GT	Hamel, Arthur.	8JC	Bedwin, Earl T.
8GU	Loehr, George R.	8JF	Plekenpol, Ernest.
8GV	Klever, Jackson O.	8JG	Lord, Donald M.
8GW	Spencer, J. Edmund.	8JH	Schaefer, George A.
8GX	Pentland, Henry B.	8JI	Maddock, Lewis D.
8GY	Leonard, Edwin.	8JJ	Henze, Jerome C.
8GZ	Cromey, Leslie D.	8JK	Jackson, Cotesworth M.
	•,	8JL	Raring, William.
8HA	Roblee, Judson.	8JM	Westfall, Earl J.
8HB	Roberts, Hayden P.	8JN	Arthurs, Biddle, jr.
8HC	Johnston, S. Paul.	8JO	Little, Donald G.
8HD	Myers, Homer B.	8JP	Becker, Freeman A.
8HE	Stevenson, George L.	8JQ	Lusink, C. Irving.
8HF	Shaney, Aubrey A.	8JR	Sherrill, Alvan C.
8HG	Schardt, Carl M.	8JS	West Tech Wireless Club.
8HI	Barber, Nelson J.	8JT	Albrecht, Harvey O.
8HJ	Terry, James E.	8JU	Aldridge, George P.
8HK	Spiller, Archibald G.	8JV	Kreighbaum, Cyril H.
8HL	Boyes, Edwin G.	8JW	Anderson, Joseph D.
8HM	Human, Edward J. L.	8JX	MacCandless, Lyon H.
8HN	Fee, Dean.	8JY	Chamberlain, Oscar A.
8HO	Holt, George W.	8JZ	Manning, Alfred J.
8HP	Moershielder, Herbert L.	302	B,
	Poux, Noel J.	8KA	Ankerman, Roy E.
8HQ 8HR	Foster, Clarence M.	8KB	Core, Eugene D.
8HS	Berry, L. Mack.	8KC	Hetheringtor, II. Paul.
8HT	Petz, Joseph.	8KD	Benjamin, Carlisle.
8HU	Faroo, Glenn.	8KE	Williams, Edward R.
8HV	Weller, Alvin.	8KF	Broughton, Harry J.
8HW	Strunk, William O.	8KI	Brockway, Earl H.
8HX	Phillips, Stanley.	8KJ	Desjardins, Gregory T.
	Kuehner, Roland.	8KK	Devaney, Richard G.
8HY			

Amateur Radio Stations—Eighth District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
8KO	Combs, Frayne.	8NQ	Robbins, Melvin G.
8KP	Fuss, Chester G.	8NR	Hare, Paul W.
8KQ		8NT	Maue, Leon G.
8KŘ	Fisher, Earl U. Hills, Virgil A.	8NU	Brown, Willard S.
8KS	Sidnell, Robert G.	8NW	Hankin, John H.
8KT	Benzee, Joseph M.	8NX	Weiser Elmer P
8KV	Dobbie, John, jr.	8NY	Weiser, Elmer P. Straub, John O.
8KW	Kohlor Horry W	011 1	Straub, John O.
8KX	Kohler, Harry W.	8OA	Workers Darmand V
ora ovv	Cuff, Harold C.		Worbass, Raymond K. Waldrip, Laurence H.
8KY	Kunnar, William.	80B	
8KZ	Landgraff, William J.	800	Kuehnle, George J.
oT To	D' II D	80D	Luedeke, William P., jr.
8LD	Rice, Homer D.	8OE	Smith, Verne E.
8LE	Scott, Hoyt S.	8OF	Goodwin, Seth A.
8LF	Saunders, Ezra L.	80G	Brink, Frank J.
8LG	Sibert, Richard E.	80I	Patterson, Grant, jr.
8LH	Stauft, Jacob L.	80 J	Furlong, Marcie J. Scheib, Joseph.
8LJ	Baxter, Raymond L.	80K	Scheib, Joseph.
8LK	Wieneke, Edward.	80L	Stern, Fred W.
8LL	Schwanecamp, Raymond.	8OM	Balsley, James I.
8LM	Wood, John P.	80N	Ilgenfritz, Lester M.
8LN	Spaulding, Ray F.	800	Bird, Harold C.
8LO	Ottelin, Conrad.	80 P	Reynolds, Charles L.
8LP	Bly, Ralph.	8OR	Weny, Joseph C.
8LQ	Dunlap, Orrin E., jr.	80U	Boyer, Harry A.
8LS	Ferris, Warren O.	80W	Dotterweich, Joseph H.
8LW	Philipp, Lawrence A.	80X	Dreux, Alexander J.
8LY	Rose, Herman.	8OZ	Staten, Arthur.
8LZ	Sharbaugh, Wilbur.	002	3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	2242 344g-1, 11 12 41 1	8PB	Nelson, Frank A
8MB	Maxon, Harry L.	8PC	Kersting, Ferdinand. Krause, Karl A.
8MC	Holmes, Charles A.	8PD	Krause, Karl A.
8MD	Hall, Eldred R.	8PE	Lucas, Clarence E.
8MF	Robie, Milo H.	8PF	Malbin, Samuel.
8MG	Robie, Milo H. Fish, J. Mulford.	8PH	Chick, John B.
8MH	Ruchnell Clarence E	8PI	Day, James M., and Butcher
BMI	Manning, Howard H. Finch, William G. H.	02.2	Day, James M., and Butcher W. Byron.
8MK	Finch William G H	8 PJ	Ehrich, William F.
8ML	Lovell, Charles L.	8PK	Gamble, Fredereick D.
8MM	Benzee, Arthur H., jr.	8PM	Higgey Robert C
BMN	Knoll, Floyd A.	8PO	School John M
8MP	Neupert, Robert E.	8PQ	Higgey, Robert C. Schaaf, John M. Shaw, Eurcile L.
		8PŘ	Stiveson, Andrew.
BMQ	Dear, Harry D. Livinggood, Hubert W.	8PS	Hart, John R.
8MR	Diahan Ola D	8PT	
SMS	Ritchey, Ole B. Watson, Martin L. Carson, William H. Follet, Louis H., jr.		Hornung, Romey W.
BMU	watson, Martin L.	8PU	Imbt, Russell.
8MV	Carson, William II.	8PV	Pearson, Harry.
8MW	Follet, Louis H., jr.	8PW	Weaver, Frank M.
8MY	Fisher, Harold W.	8PX	Marsh, Harry H., jr.
	77 . 73 1 377	8PZ	Bishop, Carryl L.
8NA	Waterman, Fred W.	207	TT 1 T 1
8NB	Frederick, Paul E.	8QB	Haderer, John.
BNC	Coolidge, James H., 3d.	8QD	Leonhardt, Carl.
8ND	Grigg, Arthur.	8QE	Kester, Harold P.
8NE	Winglemire, Maurice.	8QF	Klinck, Charles C., jr. Lewis, Walter E.
8NF	House, Elra E.	8QG	Lewis, Walter E.
8NH	Candler, Mrs. Charles.	8QI	McEniry, Clifford U.
8NI	Daniels, Worth D.	8QJ	Bornman, Frederick D.
8NJ	Bartholomew, William F.	8QK	Jones, Edwin P
8NM	Keen, William L.	8QL	Corey, Harry E.
011111		∥ 8QM	Jones, Jesse K.

$\begin{array}{c} \Lambda_{\text{MATEUR}} \text{ Radio Stations} \\ -\text{Eighth District} \\ -\text{Alphabetically by Call Signals} \\ -\text{Continued.} \end{array}$

Call signal.	Owner of station.	Call signal.	Owner of station.
8QO	Kirly, H. Howard.	8TD	McMillan, Howard F.
$8\tilde{\mathbf{QP}}$	Powell, Ralph C.	8TE	Gilmore, Alden J.
8QQ	Kampfe, Lorbert J.	8TF	Cunningham, Fred B.
8QŘ	Grostick, George E.	8TG	Dehnel, Alfred H.
8QS		8TH	
8QT	Brow, Robert.	8TJ	Gallo, Tony.
9011	Sly, Edward E.	8TK	Friedman, Martin.
8QU	Schunck, Robert F.		Jefferys, Paul M.
8QV	Hogan, James E.	8TL	Dowding, Sidney J.
8QW	Potts, Charles G.	8TM	Hoobler, William H.
8QY	Martin, Cecil E.	8TN	FlaHavhan, Harry E., jr.
OTD A	Vlacon Occar C	8TO 8TP	Attwood, Brooke.
8RA	Klager, Oscar C.		Nealon, William A.
8RC	Weil, Norman C.	8TQ	Donaldson, William E.
8RD	Burr, Roy C.	8TR	Fischer, Carol V.
8RE	Weeks, Stuart R.	8TS	Eppley, Ervin W.
8RF	Ritchie, Carl L.	8TU	Leach, Gardner V.
8RH	Blum, Robert A.	8TV	Wallace, L. Gordon.
8RI	Beeler, Hughes.	8TW	Richey, Joseph L.
8RJ	Irvine, Robert P.	8TX	Stevens, Burdett F., jr.
8RK	Dalrymple, Clarence F.	8TY	Ehrhardt, Roy C.
8RL	Last, George.	8TZ	Beasley, Ira E.
8RM	Smith, Harold M.	OTTA	There
8RN	Altman, Allen.	8UA	Foncanon, H. Knight.
8RO	Gwinner, Frederick 3d.	8UB	Andrews, Cecil J. Chadde, Walter F.
8RQ	Ashtabula High School.	8UC	Chadde, Walter F.
8RR	Hull, Earl C.	8UD	Brown, Kenneth W.
8RS	Westrick, Leslie.	8UE	St. Augustine School.
8RT	Ubersax, Delmar G.	8UF	Wing, Willis K.
8RV	Marshall, Frank J.	8UG	Moore, Chester.
8RW	Schmidle, Claude.	8UH	Wiley, Violet A. Hylie, Howard D.
8RX	Barringer, Russ.	8UI	Hyne, Howard D.
8RY	Goetz, Carl P.	8UJ	McDade, Henry J.
4.00	Weed Down H	8UK	Egan, James.
8SA	Wood, Dewey H.	8UL	Campbell, Henry W.
8SB	Schmidt, Norman F.	8UM	Flehr, Paul D.
8SC	Bidwell, Paul.	8UN	MacPherson, William D.
8SE	Falck, Norman B.	8UO	Jones, D. Walter.
8SF	Fowler, Robert J. Pesek, Myron R.	8UP	Lathrope, Lyman S.
8SG	Snotte Delph T	8UQ	Steinkirchner, Fred B.
8SH	Spotts, Ralph T.	8UR	Hott, Loewy.
8SI 8SJ	Beach, Walter R.	8US 8UT	Hancock, H. W. Klein, Harold H.
8SK	Ottney, James N. Woodcock, William D.	800	
8SL	Stenzel, Arthur W.	8UV	Schnidtz, George. Marshall, Ronald A.
8SM	Coleman, H. Burr.	8UW	Meinhold, Albert A.
8SN	Glatzell, Earle D.	8UX	Sleeman, Walter R.
8SO	Maggs, H. Carrol.	8UY	Adams, Lucius O.
8SQ	Clarke, John H.	8UZ	Mack, George.
8SR	Locke, Benjamin C.	002	mack, adorgo.
8SS	Wurtz, Francis L.	8VA	Frost, August.
$8\widetilde{\mathbf{ST}}$	Muhlheizler, Louis.	8VB	Trombley, Clarence F.
8SU	Woodworth, Samuel.	8VC	Brown, Arthur B.
8SV	Lilley, Ralph H.	8VD	Riehle, J. F.
8SW	Eames, William F.	8VE	Sidele, William R.
8SX	Vanderveken, Marix.	8VF	Loomis, Ralph M.
8SY	Maynard, Reginald.	8VG	Chartener, Ralph R.
8SZ	Hay, Russell.	8VH	Googin, Nicholas L., jr.
0.0		8VI	Case, Harlow.
8TA	Blum, Louis.	8VJ	Umbarger, Harold N.
8TB	Handler, Eugene H.	8VK	Smith, Johnny.
8TC	Wightman, E. Russell.	8VL	Edick, Leonard J.
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AMATEUR RADIO STATIONS—EIGHTH DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
8VM	Stevens, William II.	8WG	Densmore, U. Harry.
8VN	Zornow, Harry.	8WII	McCullough, C. Hax.
8VO	Barnard, Earl E.	8WI	Gillmore, Willard F.
8VP	Ball, Alfred.	8WJ	Stelzer, James G.
8VQ	O'Reilly, J. Bernard.	8WK	Campbell, George F.
8VŘ	Calvert, George C.	8WL	Stone, Dana C.
8VS	Buck, É. Harold.	8WM	Nesbitt, Arthur.
8VT	Macrow, Lester E.	8WN	Yerigan, George S.
8VU	Geiser, Roger A.	8WO	Wildey, Edwin M.
8VV	Munger, George R.	8WP	Hauenstein, Waldo E.
8VW	Stevens, Allen C.	8WQ	Poysell, Robert E.
8VX	Fraser, William T.	8WR	Hultgren, Fred F., and Schmidt
8VY	Caplan, Zola.	1	William R.
8VZ	Davis, Harry R.	8WS	Taylor, J. L., jr.
	,	8WT	Harber, Elwood F.
8WA	Morgenstern, Ronald.	8WU	Young, L. Clifford.
8WB	Herrington, Fred.	8WV	Hawxhurst, Wilbur F.
8WC	Crabbe, J. E.	8WW	Barnes, Orton S.
8WD	Conlon, Bernard.	8WX	Rodd, Herbert C.
8WE	Hickler, Walter R.	8WY	Coleman, Aaron B.
8WF	Goertemoeller, Bernard H.	8WZ	Kennedy, Duane E.

NINTH DISTRICT.

[Headquarters: Customhouse, Chicago, Ill. The ninth district comprises the States of Indiana, Illinois, Wisconsin, Michigan (Upper Peninsula), Minnesota, Kentucky, Missouri, Kansas, Colorado, Iowa, Nebraska, South Dakota, and North Dakota.]

ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power.
O.C.T.			Watts.
9CK	Abel, Wilson L	Clear Lake, Iowa	
9NH	Abercrombie, Julius B	2424 Duncan St., St. Joseph, Mo	100
9FN	Abraham, Walter H	12041 W. 5th St., Davenport, Iowa	16
9EX	Adolfson, George S	5229 Colorado St., Duluth, Minn	770
9QD	Albach, Henry, jr	618 W. 4th St., Lawrence, Kans	5
9RI	Albrecht, Harry L	837 N. Trumbull Ave., Chicago, Ill	1,000
9FC	Anders, Harry R	4811 West End Ave., Chicago, Ill	495
9TW	Anderson, Axel V	212 N. Florida St., Laurium, Mich	
9KM	Anderson, Oscar L	11815 State St., Chicago, Ill	30
9SN	Anderson, Virgil	3614 Rebecca St., St. Louis, Mo	15
9MB	Andreas, Gerald T	Bayfield, Wis	550
9AK	Andresen, E. Norman	3512 Medill Ave., Chicago, Ill	60
9GW	Arnold, Ercil	Chapman, Kans	250
9QL	Baldwin, John G	Hope, N. Dak	1,000
9DW	Barrett, Arthur C	208 4th St., Mendota, Ill	600
9OJ	Barry, Daniel	310 W. Grand Ave., Springfield, Ill	
9DZ	Barton, Harold	2336 N. Alabama St., Indianapolis, Ind	25
9IL	Batcher, Ralph	Toledo, Iowa	1,000
9HR	Baulch, Ernest L	509 Eddings St., Fulton, Ky	12
9JE	Baumer, Harry W	5036 Kenmore Ave., Chicago, Ill	825
9CO	Bautz, Russell	395 6th Ave., Milwaukee, Wis	50
9DJ	Beasley, William A	1517 Western Ave., Topeka, Kans	275
9LJ	Becker, Clarence	425 S. College St., Springfield, Ill	330
9QT	Beighley, Emmet R	107 N. 13th St., Fargo, N. Dak	330
9RF	Beil, Richard M	1306 Winona Ave., Chicago, Ill	170
9PG	Bergherm, Worth D	1202 N. 1st Ave., Fargo, N. Dak	1,000
9HE	Bergvall, Royal C. and	Stephenson, Wis	20
i	Wesley E.	• '	

AMATEUR RADIO STATIONS—NINTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
OTY	Di. I. M. T	000 W 0 1 A . W 1 H G D 1	Watts.
9JY	Black, Max 1	830 W. 3rd Ave., Mitchell, S. Dak	20
9GB	Boess, Murray R	Lake Bluff, Ill	24
9HH 9RC	Bohac, Leonard	402 W. 1st Ave., Cedar Rapids, Iowa	880 990
9JO	Bohnstengel, George	Thornton, Ill. Petersburg, Ky. 5505 Bartmer Ave., St. Louis, Mo	24
9PF	Bolen, John C., jr	5505 Rortmor Avo. St. Louis Mo.	500
9SZ	Bolin, Ray E Bonney, Harold H	Louisville III	36
9TM	Bonson, George W	Louisville, Ill	1,000
90P	Born, John F. F	6649 Champlain Ave., Chicago, Ill.	30
9NJ	Brabender, Carl W	907 Linwood Ave., Evansville, Ind	36
9SA	Brennan, Joseph D	501 Alpine St., Dubuque, Iowa	30
9LD	Brinkerhoff, George II.,	6800 Lowe Ave., Chicago, Ill	48
022	jr.	soot now inver, one ago, in	1
9SD	Broughton, William G	213 S. Court St., Crown Point, Ind	36
9BU	Brown, Clarence L	1022 E. Tabor St., Indianapolis, Ind	500
9IW	Brown, Ellsworth	3425 Holmes St., Kansas City, Mo	220
9CR	Buehner, Howard	381 19th Ave., Milwaukee, Wis	18
9HI	Burchnell, George M	Monroeville, Ind	500
9SH	Burdick, Roy E	Monroeville, Ind	30
9KN	Burg, Harold E	865 S. Maffit St., Decatur, Ill	1,000
9ED	Burgess, Charles M	Geneva, Ill	
9KU	Burgy, Charles A., jr	693 Willow St., Winnetka, Ill	220
9RW	Burhop, Harold	1945 N. 7th St., Sheboygan, Wis	56
9QH	Busey, James D	Havana, N. Dak	75
9NW	Caldwell, Kenneth R	623 W. William St., Decatur, Ill	500
91Q	Call, George R	1529 Pearl St., Sioux City, Iowa	248
9QB	Cannon, Charles B	501 W. 6th St., Superior, Wis	770
9KD	Carll, W. Curtis	918 S. Noble St., Indianapolis, Ind	250
9QW	Carnes, Theodore L Caroll, William H	932 N. Illinois St., Indianapolis, Ind	45
9LR		6334 McPherson Ave., St. Louis, Mo	1,000
9PC 9LC	Carter, George W	Fort Wayne, Ind	600
9PD	Casey, John G Cassaday, Cecil E	4945 Forrestville Ave., Chicago, Ill	291 972
9NT		3038 Brooklyn St., Kansas City, Mo	500
9FI	Chapman, Richard C Chaudet, William J	1332 K Street, Lincoln, Nebr 4176-A Delmar Blvd., St. Louis, Mo	500
9JN	Chubb, Jake H	1205 9th St., Burlington, Iowa.	27
90B	Church, Archibald, jr	4854 Dorchester Ave., Chicago, Ill	250
9DP	Clark, Bayard H	205 Augusta Ave., De Kalb, Ill	1,000
9PJ	Clark, Robert J	Humboldt, Iowa.	1,000
9GU	Clayton, Homer E	680 Arch St., Indianapolis, Ind	1,000
9NA	Cleaveland, Leroy A	374 Farwell Ave., Milwaukee, Wis	75
9BK	Clemons, G. H	Storm Lake, Iowa	85
9CN	Cobb, Merle	Elkhorn, Wis	. 27
9CF	Coffman, Scott	61 N. Gale St., Indianapolis, Ind	990
91F	Cole, Jirah D., jr	810 Vernon Ave., Glencoe, Ill	504
9AN	Cole, Jirah D., jr	Community House, Lincoln St., Win- netka, Ill.	440
9AF	Cole, Walten E., jr	1004 15th St., Sioux City, Iowa	18
9GV	Coles, James A	3637 12th Ave., Minneapolis, Minn	63
9KP	Conner, Claud H	500 Washington Ave., Cairo, Ill	220
9ET	Conzelman, J. Wilson	500 Washington Ave., Cairo, Ill	770
9SC	Cooper, Charles H	2126 Elliott St., Indianapolis, Ind	1,000
9PT	Corey, Flournoy	1051 20th St., Des Moines, Iowa	440
90Q	Coultas, Charles	950 Beach Ave., St. Louis, Mo	250
9BI	Craig, Richard A	1807 N. Meridian St., Indianapolis, Ind.	220
9HL	Crawford, Robert N., jr	3829 Vincennes Ave., Chicago, Ill	770
9TE	Cronk, Seymour H	Stafford, Kans.	550
9AE	Crouch, Haley C	240 W. 10th St., Wichita, Kans.	220
9HN I	Crowdus, James A	5047 Washington Ave., St. Louis, Mo	440

Amateur Radio Stations—Ninth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
o.D.C	Coult beat Charles A	1000 Pi-J St. H 1 J W-	Watts.
9EQ	Cruikshank, Charles A., jr.	1000 Bird St., Hannibal, Mo	660
9RX	Cummings, Murney	619 Lake Ave., Racine, Wis	440
9GN	Curtis, Charles D	Pembina, N. Dak	1,000
OTO	Cyr, Darrell, J	109 W. 2d St., Sioux City, Iowa	27
FH	Dahm, Henry L	5932 Plymouth Ave., St. Louis, Mo	950
9SF	Daugherty, Hugh D	2335 Bellfontaine St., Indianapolis, Ind	15
AZ	Davidson, James G	6636 Normal Blvd., Chicago, Ill	30
НМ	Davis, Donald W	21 E. Caramillo Ave., Colorado Springs, Colo.	550
EZ	Davis, Richard M	1065 Yuma St., Denver, Colo	40
QG	Davis, T. Harley	2738 Crown Point Ave., Omaha, Nebr	220
SO	Day, Harold E	209 Gray St., Indianapolis, Ind	50
NN	Deal, Harmon B	6 S. Fountain St., Cape Girardeau, Mo	1,000
EG	Dean, Carl W	3115 N. Capitol Ave., Indianapolis, Ind	460
RH	Debus, George W	1910 Sunnyside Ave., Chicago, Ill	550
OW	Del-Vecchio, Earl	3810 Alta Vista Ter., Chicago, Ill	440
GP	Denny, L. Erle	Sorento, III	24
UD	Diehl, Grant, jr	699 27th St., Milwaukee, Wis	750
MS	Dier, Stephen	1305 Court St., Le Mars, Iowa	1,000
$\bar{\mathbf{M}}$	Dietterich, Frank E	3340 College Ave., Kansas City, Mo	220
OA	Dilley, Joseph	1067 Ainslee St., Chicago, Ill	25
FE	Dunklan, George Dunlap, Carroll M	2634 Cottage Grove Ave., Chicago, Ill	250
BC	Dunlap, Carroll M	Manchester, Iowa	150
BT	Duquette, Herbert E	500 Glenn Ave., Council Bluffs, Iowa	250
DF	Dutton, Laurence E	3540 W. 60th Pl., Chicago, Ill.	25
	Dyson, L. E Egloff, Martin F	1024 Park Ave., Covington, Ky	48
CW LV	Egion, Martin F	2729 W. Barry Ave., Chicago, Ill	400 550
li	Ehling, Fritz Eichenberger, Walter	510 N 5th St Hannibal Ma	300
ML	Eick, Ferdinand	510 N. 5th St., Hannibal, Mo 1818 19th St., Superior, Wis	32
rd	Eisele, Edward J	1324 Rutledge St., Madison, Wis	560
DR	Eling, Raymond W	6637 Greenwood Ave. Chicago III	18
DÜ	Elliott, Byron K	6637 Greenwood Ave., Chicago, Ill 1733 N. Meridian St., Indianapolis, Ind	220
IB	Erikson, Eben W	1108 Elm St., Winnetka, Ill	220
YE	Erwood, John, ir	4880 Kenmore Ave., Chicago, Ill.	550
MZ	Evans, Walter C Faber, Peter, jr	6632 Kimbark Ave., Chicago, Ill	990
NQ	Faber, Peter, jr	302 S. Park St., Madison, Wis	1,000
DČ	Fahrney, Clarence H	Polo. Ill.	18
SV	Fay, Arthur S	4437 Beacon St., Chicago, Ill. 59 E. 10th St., Covington, Ky	550
RO	Fellows, Charles	59 E. 10th St., Covington, Ky	18
UE	Fels, Thomas W	2105 John St., Fort Wayne, Ind	36
PI	Finehout, Fred	1310 E. New York St. Indianapolis Ind	78
JQ	Finlay, William J Finley, Cyrus P	525 Oakwood Ave., Webster Groves, Mo.	770
OM	Finley, Cyrus P	339 3d Ave. W., Cedar Rapids, Iowa	500
	Fish, John R	816 E. 11th St., Indianapolis, Ind	275
EN	Fisher, Ralph	918 S. 7th St., Fargo, N. Dak	330
LS	Fisk, Kenneth	1206 Olive St., Indianapolis, Ind	16
AU	Flanders, Douglas A	1108 N. Blue Ave., Independence, Mo	715
BN	Flynn, John H., jr	228 E. 5th St., Newport, Ky	1,000
HX	Foss, H. Marcus	Hatton, N. Dak	50 750
PK DX	Foster, Edwin J	925 Winchester St., Milwaukee, Wis	27
AX	Fostrom, Harry A	716 N. Alabama St., Indianapolis, Ind 9 E. Armour Blvd., Kansas City, Mo	990
GX	Fox, John E	56 16th St., Newport, Ky	220
rr	Fox, Laurence C.	231 Lincoln Ave., Crookston, Minn	608
EK	French, Newell E	1722 Maple St., Racine, Wis	250
DL	Friend, Earle M	4815 Vincennes Ave., Chicago, Ill	250
rg	Fruit, Lester		550
BÖ	Fry, Claud	833 W. 12th St., Des Moines, Iowa	50

Amateur Radio Stations—Ninth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
9QX	Galpin, John K	2132 Broadway, Indianapolis, Ind	500
9SW	Gammon, Frank E	811 18th St., Ashland, Ky	990
9NV	Gates, Arthur R	613 Arsenal St., St. Louis, Mo	247
9IN	Gates, Preston L	8 7th St., Moorhead, Minn	988
9MK	Giltner, L. Wallace	411 S. Holmes Ave., Indianapolis, Ind	275
9NM	Glavin, Roland E	748 Lawndale Ave., South Bend, Ind	24
9UF	Goerisch, William	3919 Compton Ave., St. Louis, Mo	12
9KB	Goodman, Mark	110 E. Prairie St., Jerseyville, Ill	550
9AS	Goodnow, Frank E	310 Van Buren St., Joliet, Ill	990
9KG	Gore, Harold	6604 Lewgard Ave., Chicago, Ill	495
9PS	Gosha, Donald	Blooming Prairie, Minn	40
9RP	Graf, Rudolph	1061 Mulberry St., Rockford, Ill	375
9MQ	Graham, Albert I	3033 Park Ave., Kansas City, Mo	972
9ES	Graham, Walter N., jr	4842 Maffitt Ave, St. Louis, Mo	110
9FT	Graves, G. G.	Woodstock, Ill	60
91C	Greenleaf, Sydine A	708 Clay St., Woodstock, Ill	440
9GT	Grecian, Éverett	Hill City, Kans	1,000
9PQ	Greenleaf, Burton B	34 Walnut St., Savanna, Ill	10
9TQ	Griggs, Fred W	441 Tacoma Ave., Indianapolis, Ind	250
9ÃB	Groskopf, William L	4816 W. Berteau Ave., Chicago, Ill	36
9TU	Gruda, Edgar	329 25th Ave., Milwaukee, Wis	150
9PX	Gustafson, C. Hjalmar	630 Wallis Ave., Rockford, Ill	45
9RM	Guthrie, Edwin P	2352 Bellefontaine St., Indianapolis, Ind.	90
9GG	Hagen, Edwin N	2330 Banks Ave., Superior, Wis	500
9MY	Haines, Thorvald L	842 Main St., Racine, Wis.	440
9AV	Hamel, Walter H	1006 S. 14th St., Lafayette, Ind	30
9PO	Hanes, Fred B.	Hamilton, Ind	60
9TJ	Hancock, George T	R. F. D. No. 1, Fairfield, Nebr	50
9CE	Hansen, Leland H	1123 Herrick Ave. Racine Wis	230
9GI	Hanson, Frederick, R. A	1123 Herrick Ave., Racine, Wis	50
9BX	Hantzsch, Ralph E	1161 Island Ave., Milwaukee, Wis	990
9IZ	Harris, Ralph G	Gilman, Ill.	440
9LK	Harrison, Major P., jr.	118 E. Pratt St., Indianapolis, Ind	660
9CJ	Harry, Charles	Quincy & Douglas Sts., Houghton, Mich.	900
9KY	Hartwell, Eugene II	R. F. D. No. 28, Salem, Wis	60
9HF	Hatch, J. Hadley	216 Kedzie St., Evanston, Ill	770
9FL	Hauck, George	218 Chestnut St., Newport, Ky	16
9CX	Haynes, Roy	6939 S. May St., Chicago, Ill.	650
9DV	Hearne, George M	416 N. Adams St., Carthage, Ill	1,000
9FR	Heckenkamp, Emile B.	300 E St., Belleville, Ill.	770
9LI	Heiser, Walter C	35 E. 33d St., Indianapolis, Ind	330
9KL	Helms, Elvin E	Patershire Ky	24
9RV	Henning, William C	Petersburg, Ky	500
9KK	Henricks, George	1410 Barth Ave., Indianapolis, Ind	500
9IO	Henry, Albert L	Bennington, Kansas	250
9MU	Hess, Merriman	832 Forest Ave., Wilmette, Ill	250
9DG		1428 Park Ave., Indianapolis, Ind	250
9KJ	Hilgenberg, Noble C	428 W. 72d St., Chicago, Ill.	660
	Hill, Frederick A	22 Dayton St., Madison, Wis	480
9BP	Holcombe, Ray E	220 S. Broadway, Crookston, Minn	
90I 90J	Holte, Harold O	220 S. Dioadway, Clookson, Milli	550
	Hood, Kuper, jr Hood, Norman R	206 Sterrett Ave., Covington, Ky	1,000 45
9JG	Hood Thomas	1140 N Moridian St., Duringwa, 10wa	
9QS	Hood, Thomas	1149 N. Meridian St., Indianapolis, Ind.	36
9BZ	Hoople, Frank C	3048 Osgood St., Chicago, Ill	660
9LW	Howard, Clyde M	Buffalo, Ill	220
9HZ	Hubbard, Clarence	610 Western Ave., Chicago, Ill	24
9MV	Hughes, James C	418 Taylor St., Topeka, Kansas	1,000
9FF	Hughes, Walter J	4100 State St., Chicago, Ill	25
9MJ	Hussner, Helm C	968 Drew St., Appleton, Wis.	30
9QA	Huttig, Charles M	37 Washington Ter., St. Louis, Mo	550

Amateur Radio Stations—Ninth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
007	The C. Shanidan	2024 N 054b C4 C4 L 3f	Watts.
9 GZ 9DA	Ihl, G. Sheridan Irvin, John A	3834 N. 25th St., St. Louis, Mo	330
9SQ	Iverson, Reginald J	Cannelton, Ind	$\begin{array}{c c} & 18 \\ & 660 \end{array}$
9NY	Ivy, John S	Cape Girardeau, Mo.	15
9EW	Jackson, Arved C	910 N. Girard Ave., Minneapolis, Minn.	30
9AM	Jackson, William C	701 N. Main St., Hannibal, Mo	80
9NG	Jansen, Laurence	3031 Lexington St., Chicago, Ill	330
9DE	Jensen, Arnold N	334 High School Ave., Council Bluffs, Iowa.	500
9TK	Jensen, Louis T	1217 Center St., Racine, Wis	330
9QR	Jewett, Gerald A	2105 High St., Des Moines, Iowa	30
9AL	Johnson, Arthur F	2706 Mersington Ave., Kansas City, Mo.	330
9CI	Johnson, August R	Iloughton, Mich	50
9RD 9OL	Johnson, D. Vernet Johnson, Enoch	1310 Franklin St. La Mars Jawa	550
9CG	Johnson, Ralph J	1319 Franklin St., Le Mars, Iowa	1,000 275
9KQ	Jones, Frank S.	305 La Salle St., Chicago, Ill.	500
9BS	Jorgenson, Harold	941 Herrick Ave., Racine, Wis.	400
9KO	Joseph, Jarold S	465 Park Ave., Council Bluffs, Iowa	300
9DR	Juvenal, James B	538 Ann Ave., Kansas City, Kans	18
9PM	Kaiser, Bernard O	892 3d Street., Milwaukee, Wis	16
9AI	Kaufmann, Elmer	928 Wright St., Milwaukee, Wis	18
9BD	Keeler, Fayette W	634 W. 4th St., Superior, Wis.	1,000
9LF	Keenan, Charles J	6445 Emerald Ave., Chicago, Ill.	24
9EH 9OF	Kegley, William F Kellenberger, Harry S	. 2430 Kenwood Ave., Indianapolis, Ind Riverside, Ill	1,000
9JL	Keller, Stanley L	602 W. 25th St., Kearney, Nebr	880 550
9HT	Kelso, Charles A	4758 Greer Ave., St. Louis, Mo.	550
9BY	Kennan, Richard C	3170 N. Illinois St., Indianapolis, Ind	250
9JK	Keough, Otis E	4343 Lindell Blvd., St. Louis, Mo	110
9HC	Kerney, Iden M	725 6th Ave., Council Bluffs, Iowa	275
9AH	Kihlstrom, Harry C	6324 Normal Blvd., Chicago, Ill.	24
9FA	King, Lawrence	416 W. Michigan St., New Carlisle, Ind.	495
9AP	Kingsley, Raymond C	1445 W. State St., Rockford, Ill.	440
9HG 9AA	Kistner, Joseph Klentz, Clarence	222 E. Southgate St., Newport, Ky	48
9CM	Klicpera, Milhart F	3809 Vincennes Ave., Chicago, Ill	500 500
9BF	Klingenhagen, George F.	1705 Douglas Ave., Racine, Wis	1,000
9RB	Kluge, Arno A	Ravenna, Nebr	220
9LU	Knouf, Ralph	1344 21st St., Des Moines, Iowa	247
9UG	Koenig, William, jr	3141 Osage St., St. Louis, Mo	12
9OD	Kohl, William	606 St. Clair Ave., Sheboygan, Wis	165
9SG	Komm, Paul M	1116 Wolfram St., Chicago, Ill	100
9PA	Korthals, Albert	1607 N. 13th St., Sheboygan, Wis	220
9HO	Kossow, Erwin	760 32d St., Milwaukee, Wis	12
9KE 9TC	Kranzfelder, Leonard J.	Bayfield, Wis	1,000
9EJ	Krause, Charles H Kreis, Erwin	542 35th St., Milwaukee, Wis	495 18
9NI	Krug, Eugene C.	2249 St. Louis Ave., St. Louis, Mo	250
9LQ	Kruse, Schiller	1538 Kentucky St., Lawrence, Kans	550
9FÙ	La Duke, Earl R	1100 S. Josephine St., Denver, Colo	250
9KR	Lagodziński, Harry J	2222 N. Maplewood Ave., Chicago, Ill	18
9PR	Laidlaw, Robert F	5443 Wayne Ave., Chicago, Ill	550
9JD	Laier, James A	2449 Denver Ave., Kansas City, Mo	880
9TZ	Lamb, Rea M	119 Milwaukee Ave., Kenosha, Wis	250
9EU	Landis, Clyde L	3020 S. Bryant Ave., Minneapolis, Minn.	250
9MO 9PL	Lange, Harold T	407 Edgar Rd., Webster Groves, Mo	275
9KT	Langen, George R La Plant, G. L	103 N. 13th St., Fargo, N. Dak. St. Anthony, Iowa.	1,000 990
9TX	La Rue, Harold	633 Park Ave. W., Waterloo, Iowa	18
9LN	Laughlin, Dale	2225 Douglas St., Sioux City, Iowa	18

AMATEUR RADIO STATIONS—NINTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Pow
		Estimate services as a service of State	Wat
9LX	Leberman, Palmer K	Upper Falls Rd., Sheboygan, Wis	2
EC	Lebo, Robert B	1306 Main St., Richmond, Ind	7
okc	Lee, David R	4026 Clarendon Ave., Chicago, Ill	9
MN	Leonard, Frank	827 N. Illinois St., Indianapolis, Ind	
DH	Levi, Simeon C	5342 S. Park Ave., Chicago, Ill.	
ÃO	Lipman, Theodore E. K.	136 W Grand Ava Balait Wig	1,
		136 W. Grand Ave., Beloit, Wis	1,
LE	Lisle, Waldo E	6612 Lowe Ave., Chicago, Ill	
TH	Liston, Earl	774 S. Grant St., Denver, Colo	
GK	Lobas, John W	635 31st St., Milwaukee, Wis	
QF =	Lockwood, Charles E	1323 W. 7th St., Waterloo, Iowa	1,
MR	Lorance, George T	1340 27th St., Des Moines, Iowa	
EM	Love, Andrew A., jr	812 S. 7th St., Fargo, N. Dak	1
UC	Loveless, Harry L	137 Griffin Ave., Somerset, Ky	-
ŠĬ	Lowe, Meredith B	2347 N. Delaware St., Indianapolis, Ind	1,
		Algebra Tarre	1,
HS	Ludwig, Fred N	Algona, Iowa	
RN	Maibucher, Fred J	2623 Indianapolis Ave., Indianapolis, Ind.	
QP	Mann, Harold L	1120 Smith St., Burlington, Iowa	
KA	Markowski, Edward T	1468 N. Ashland Ave., Chicago, Ill	
FB	Martin, John J	2107 Adams St., Chicago Ill	
LZ	Mason, Francis M., jr	9 N. Chicago St., Rossville, Ill	
OC	Masters, Hardin	4853 Kenwood Ave., Chicago, Ill	
RT	Masters, Raymond	2406 Wabash Ave., Kansas City, Mo	
RE	Mathauser, James J	4900 S. Throop St. Chicago III	
		4809 S. Throop St., Chicago, Ill	
IK	Mathews, Ralph H. G	5030 Kenmore Ave., Chicago, Ill.	
KX	Mathias, Russell E	2509 Bellefontaine St., Indianapolis, Ind.	
SP	Maxson, Rolland and Charles S.	Milton, Wis	1,
AG	McArdle, Warren C	10 Taylor Ave., Webster Groves, Mo	
RR		Cwietel Lake III	
	McCall, John A	Crystal Lake, Ill. 1045 Hollywood Ave., Chicago, Ill	
)RG	McCartney, Hugh S	1045 Hollywood Ave., Chicago, Ill	
OMD	McClintock, William S., jr.	1257 Topeka Ave., Topeka, Kans	
RJ		2000 N Nort Towns C4 To 3: 1: To 3	1
	McCoy, James B	3026 N. New Jersey St., Indianapolis, Ind.	
AC	McGuffage, William J	4418 Wabash Ave., Chicago, Ill	1,
ER	McLoad, Kenneth	3962-A Blaine Ave., St. Louis, Mo	
FZ	McManus, John C	1001 Morgan St., Keokuk, Iowa	
KS	Mehrhof, Alexander R.	1211 Morse Ave., Chicago, Ill	
LY	Melville, Malcolm L	1128 Greenwood Ave., Wilmette, Ill	
OY	Menninger, Joseph F	1034 Scott St., Covington, Ky	
IA	Mertins, Oscar A	223 S. Lafavette Ave. Racine Wig	
		233 S. Lafayette Ave., Racine, Wis	
QZ DS	Meyer, Otto	1109 St. Clair Ave., E. St. Louis, Mo	
RS	Meyer, Walter A	1832 N. 13th St., Sheboygan, Wis	
NP	Millard, Thomas	817 S. Central Ave., Burlington, Iowa	
JR	Miller, Harry F	1024 E. 14th St., Davenport, Iowa	
PV	Miller, Harry P	1920 E. 8th St., Duluth, Minn	
HP	Miller, William S	623 E. 8th St., Kansas City, Mo	
TN	Mirgeler, Robert J	2815 Clyburn St., Milwaukee, Wis	
DY	Mitchell, Len B	4507 Woodlawn Ave., Chicago, Ill	
CD	Moen, Vere M	661 Granda Ava St Paul Minn	
		661 Grande Ave., St. Paul, Minn	
MH	Moore, William M	3102 N. Capitol Ave., Indianapolis, Ind.	
FW	Moreland, Henry F	1009 Washington Ave., Cairo, Ill	
MG,	Morgan, Henry C	724 E. 24th St., Indianapolis, Ind	
MW	Morrison, Francis S	1376 S. Lincoln St., Denver, Colo	
TI	Morshead, John S	Culver, Ind	
TB	Morthland, George G	304 E. Washington St., Decatur, Ill	
NK	Moss, Frank K	1091 C Vorle St. Donner Colo	
		1021 S. York St., Denver, Colo	
9GF	Mueller, Carl E	1010 S. Pierce St., Milwaukee, Wis	
9BJ	Munchhof, Leo G	2046 N. New Jersey St., Indianapolis, Ind.	
$_{ m EL}$	Murphy, James P	Broadland, S. Dak	
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Amateur Radio Stations—Ninth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
90E	Meyers, John W	Canton, Ill	1,000
9BB	Nattenheimer, Ervin B.	559 Lexington Ave., Newport, Ky	450
9BH	Neitz, Paul I	137 Brainerd St., Naperville, Ill	1,000
9RQ		799 N Let St. Ferro N Dol-	4
	Nelson, Carl H	723 N. 1st St., Fargo, N. Dak	55
BQ	Nelson, Eddie	731 N. 3d St., Fargo, N. Dak	
9KI	Neuman, Russell A	1129 S. College St., Springfield, Ill	100
9MT	Neumann, Clarence F	1523 S. Ogden St., Denver, Colo	250
9NF	Neumeister, Carl	902 Michigan Ave., Sheboygan, Mich	33
9TL	Newhall, Elwood L	2181 Madison Ave., Covington, Ky	2'
9IP	Nicolay, Adolph W	R F D No 1 Shattuc Ill.	20
9SJ	Nicolay, Adolph W Nolte, Edward F	4955-A Terry Ave., St. Louis, Mo	50
9CA	Norene, Raymond E	2558 Avenue A., Council Bluffs, Iowa	250
9RK	Norviel, Herbert D	521 Jackson St., Anderson, Ind	220
9QN		935 W. 33d Ter., Kansas City, Mo	55
	Oberholtz, Edwin F	William Day Wie	50
9FK	Oetjen, Richard J	Williams Bay, Wis	
9DK	O'Neil, Donald H. C	5740 Bartmer Ave., St. Louis, Mo	60
9TT	Ort, Henry M	3934 Montrose Ave., Chicago, Ill	4
9JS	Osborn, Paul I	Milford, Ill	22
9UB	Osting, Raymond	Milford, Ill	50
9FY	Osting, Raymond Pagett, Harry L	1027 Fulton St., Keokuk, Iowa	13
9KF	Pardieck, Victor	320 S. 8th St., Richmond, Ind	49.
9TA	Parnin, Ross	1239 W. Berry St., Ft. Wayne, Ind	27
9DB		204 F. North St. Whitewater Wis	1,00
9IM	Paust, Lawrence R	304 E. North St., Whitewater, Wis 320 Julian St., Waukegan, Ill	25
9PW	Pearce, Charles H	North Crystal Lake, Ill	560
	Peck, Erle M	North Crystal Lake, III	
90H	Pentland, Robert L	5225 Woodlawn Ave., Chicago, Ill	33
9BL	Perine, W. B	1728 Hall Pl., Indianapolis, Ind	1,00
9LO	Perkins, Albert	4008 W. Prospect St., Kansas City, Mo	1,00
9IY	Perkins, Darlton C	1 1940 N. Halleck St., Kansas City, Kans	7:
9NU	Perry, William N	805 Lake Ave., Racine, Wis	25
9QO	Petersen, Walter	4607-A Natural Bridge Rd., St. Louis, Mo.	3
9HW	Petersen, Walter Peterson, Oscar W	705 W. Bancroft Ave., Fergus Falls, Minn	1,00
9NX	Phelps, Clyde W	1032 Benton St., Rockford, Ill.	3
90Z	Phillips, H. Leroy	1108 5th St., Des Moines, Iowa	2
9MM	Pielrott Chester H	223 Maple Ave., Waukesha, Wis	33
9EV	Pickett, Chester H Piersol, Myron D	4546 N. Soolov Ava Chicago III	50
	Piersol, Myron D	4546 N. Seeley Ave., Chicago, Ill Williams Bay, Wis	2
9CC	Pierson, Martin	Williams Day, Wis	55
9PY	Pierson, Stuart W	214 Maple Ave., Carrollton, Ill	
9LL	Plummer, Evans E	2444 N. Alabama St., Indianapolis, Ind 675 Greenwood Ave., Glencoe, Ill	25
9TY	Pope, Franklin R	675 Greenwood Ave., Glencoe, III	55
9AD	Porwancher, Samuel	402 N. 61st St., Chicago, III	2
9HD	Prahl, Louis	463 10th Ave., Milwaukee, Wis	3
9FM	Preuss, Arthur C	212 E. 9th St., Newport, Ky	1
9JM	Putz. Anton E	402 N. 61st St., Chicago, Ill. 463 10th Ave., Milwaukee, Wis. 212 E. 9th St., Newport, Ky. 703 25th St., Milwaukee, Wis.	36
9OU	Putz, Anton E Pye, Harold	935 Trumbull Ave., Chicago, Ill	53
9GA	Racke, Arthur L	31 18th St., Newport, Ky	49
9CS	Ragan, Tate V	1 523 Garfield Ave Kansas City Mo	2
9PH	Panson Richard D	626 W Macon St Decetur III	1,00
	Ranson, Richard R	9500 Crand Arra Dog Moineg Town	44
9SB	Rawson, A. Cummins	2500 Grand Ave., Des Montes, 10wa	
9GC	Read, Harry	626 W. Macon St., Decatur, Ill. 2500 Grand Ave., Des Moines, Iowa. 728 Chestnut St., Grand Forks, N. Dak.	25
9FO	Rehm, Ralph E		16
9LA	Reichenecker, Frank N.	549 Everett Ave., Kansas City, Kans	3
9FS	Reichenecker, Frank N. Reineke, Earl C	549 Everett Ave., Kansas City, Kans. 1019 S. 5th Ave., Fargo, N. Dak.	1,00
9BW	Reinhardt, William	3437 Taylor St., Omaha, Nebr	25
9DS	Reinhardt, William Remmers, Elmer	5031 Vernon Ave., St. Louis, Mo	50
90V	Richardson David W	5711 Blackstone Ave. Chicago, Ill	33
9CH	Riggin Benjamin F	2112 Ammie Ave., Kansas City, Mo 4424 St. John St., Kansas City, Mo 1934 Garfield Ave., Lincoln, Nebr	3
9NE	Pilov Wilson M	4424 St. John St. Kansas City Mo	3

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Amateur Radio Stations—Ninth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
9KZ	Roach, John M	436 Surf St. Chicago, Ill	Watts.
9GS	Robbing Donald T	436 Surf St., Chicago, Ill. 15 W. 58th St., Kansas City, Mo. 1130 Wisconsin St., Racine, Wis.	24
9ND	Robbins, Donald T Roberts, Mason C	1130 Wisconsin St. Racine Wis	550
9DD	Rogers, Glen B	3134 Gaylord St. Denver Colo	1,000
9NO	Romberg, Malcolm	6220 University Ave Chicago Ill	110
9ST	Roth, John	1827 John Ave. Superior. Wis	220
9PP	Rowley, Burton	6220 University Ave, Chicago, Ill. 1827 John Ave., Superior, Wis	440
9QU	Rudd, Rudolph	730 Blun St., Fargo, N. Dak	770
9MP	Ruffer, Earl P	1819 Lynch Ave., East St. Louis, Mo	440
908	Rutt, Burnice L	Casey, Iowa	640
9PB	Sager, Arthur	Casey, Iowa	24
9JC	Salter, John R	Hudson, Wis. 1215 Newman St., Indianapolis, Ind. 1016 Boone St., Newport, Ky.	330
9RL	Saltmarsh, Eugene P	1215 Newman St., Indianapolis, Ind	24
9HU	Saner, Robert J	1016 Boone St., Newport, Ky	18
9FV	Saunders, P. Bushnell. Schaf, J. Charles, jr	700 E. 4th St., Delta, Colo	550
9DT	Schaf, J. Charles, jr	1410 N. Delaware St., Indianapolis, Ind	1,000
9LG	Scheuer, Edward W	4332 Michigan Ave., Chicago, III	358
9SE	Schmidt, Otto G	4310 Emmet St., Omana, Nebr	440
9LM	Schowalter, Elmer R	Mountridge, Kans	250
988	Schrage, Charles T	517 Washington Ct., Sheboygan, Wis	120
91R	Schricker, J. Raymond.	R. F. D. No. 6, Rockingham, Iowa	
9JZ	Schubert, Clarence K. F.	932 Spaight St., Madison, Wis	495
9IJ	Schulte, George	5041 Maple Ave., St. Louis, Mo	1,000
9KW	Scott, M. Vernon	2428 Bellefontaine St., Indianapolis, Ind.	
9DN 9SU	Sears, Charles L	1322 Bayward Ave., St. Louis, Mo	750
95C 9IT	Seese, Thomas G Sels, Hollis K	4355 N. Ashland Ave., Chicago, Ill	990
900	Semmelmeyer, Herbert.	Toledo, Iowa. 2629 W. Fairfield Ave., Chicago, Ill.	24
9GH	Sever, Harold C	Pleasant Plains Ill	40
9BG	Shepherd, Don I	Pleasant Plains, Ill	1,000
9MI	Shiel, Merrill	433 S. Warman Ave., Indianapolis, Ind	18
9EF	Shotwell, Harold H	446 W. 61st Pl., Chicago, Ill.	770
9AJ	Siegel, Robert C	446 W. 61st Pl., Chicago, Ill	440
9EE	Siegel, Robert C Silcox, Harry A	1526 S. New Jersey St., Indianapolis, Ind.	550
9GJ	Simpson, Virgil S Skrainka, R. Nicholas,	1380 Union Ave., St. Louis, Mo	550
9AQ	Skrainka, R. Nicholas,	4235 Lindell Blvd., St. Louis, Mo	220
9AQ	and Walter.		
9IX	Smith, Henry M	4454 Monroe St., Chicago, Ill	96
9GE	Smith, Hubert A	301 W. Illinois St., Urbana, Ill	1,000
9MA	Smith, Lester M	Salem, Wis	. 10
9BA	Smith, Lester M Smith, Paul C	Mulberry, Ind	60
9BR	Smith, Raymond J	1000 VIIIa St., Kacine, Wis	280
9FX	Smith, Wilson	219 Rome Ave., Rockford, Ill	450 403
9IH	Snyder, Wendell H	3407 Forest Ave., Des Moines, Iowa	260
9JI 9EI	Sommer, James M	2338 Talbott Ave., Indianapolis, Ind	250
9OT	Spaniol, John T	1324 Harrison St., Superior, Wis. 4155 Grand Blvd., Chicago, Ill. 600 Wingfield St., Anoka, Minn.	200
9QQ	Speicher, John B Spencer, Earle W	600 Winofield St. Anoka Minn	550
9PU	Spicer, Verne T	1120 2d St., Perry, Iowa	1,000
90G	Springer, Charles W	1120 2d St., Perry, Iowa	330
9GM	Sproehnle, John R	5809 Blackstone Ave., Chicago, Ill	250
9PE	Stang, Ray E	1305 Main St., Le Mars, Iowa.	16
9IB	Stanley, Charles A	3016 E 2d St., Wichita, Kans	. 880
9MF	Stauber, Anthony W	421 Wisconsin Ave., Sheboygan, Wis	
9HK	St. Cyr, Albert	319 Harrison St., Marquette, Mich	500
9SX	Steinberg, Alfred F	933 35th St., Milwaukee, Wis	22
9CP	Stelloh, Henry	495 12th Ave., Milwaukee, Wis	.] 30
9RY	Stephens, Harold R	495 12th Ave., Milwaukee, Wis	931
9AT	Stetson, Donald T	2162 Carrol Ave., St. Paul, Minn	400
9NS	Stevens, Eugene	¹ 1718 Quindaro Blvd., Kansas City, Kans.	100

Amateur Radio Stations—Ninth District—Alphabetically by Owners of Stations—Continued.

9RZ Stone, Francis E. 801 Harrison St., To 9LH Stover, Peter A. 5129 Harper Ave., C 9EA Stribley, Orris J. 511 S. 4th St., Moore 9TV Summers, Chessman M. R. F. D. No. 6, Kok 9SL Sutcliffe, Ewart L. 308 Kearsarge St., L 9DQ Sutherland, Kenneth L. 1411 Harrison St., To 9IV Swaisgood, Paul B. 602 N. Rural St., Inc 9KV Swanger, Bertan R. 413 S. Martha St., A 9ID Swanson, Carl S. 7110 Cottage Grove A	Chicago, Ill. 456 Deka, Kans. 1,000 hicago, Ill. 600 head, Minn. 220 omo, Ind. 30 aurium, Mich 150
9RZ Stone, Francis E. 801 Harrison St., To 9LH Stone, J. McW. 5129 Harper Ave., C 9LP Stover, Peter A. Marengo, Iowa. 9TV Summers, Chessman M. R. F. D. No. 6, Kok 9SL Sutcliffe, Ewart L. 308 Kearsarge St., L 9DQ Sutherland, Kenneth L. 1411 Harrison St., To 9IV Swaisgood, Paul B. 602 N. Rural St., In 9KV Swanger, Bertan R. 413 S. Martha St., A 9ID Swanson, Carl S. 7110 Cottage Grove A	Chicago, Ill. 456 beka, Kans. 1,000 hicago, Ill. 600 head, Minn. 220 omo, Ind. 30
9RZ Stone, Francis E. 801 Harrison St., To 9LH Stone, J. McW. 5129 Harper Ave., C 9LP Stover, Peter A. Marengo, Iowa. 9TV Summers, Chessman M. R. F. D. No. 6, Kok 9SL Sutcliffe, Ewart L. 308 Kearsarge St., L 9DQ Sutherland, Kenneth L. 1411 Harrison St., To 9IV Swaisgood, Paul B. 602 N. Rural St., In 9KV Swanger, Bertan R. 413 S. Martha St., A 9ID Swanson, Carl S. 7110 Cottage Grove A	beka, Kans. 1,000 hicago, Ill. 600 900 220 bead, Minn. 30 omo, Ind. 30
9LH Stone, J. McW. 5129 Harper Ave., C 9LP Stover, Peter A. Marengo, Iowa. 9EA Stribley, Orris J. 511 S. 4th St., Moore 9TV Summers, Chessman M. R. F. D. No. 6, Kok 9SL Sutcliffe, Ewart L. 308 Kearsarge St., L 9UQ Sutherland, Kenneth L. 1411 Harrison St., To 9V Swaisgood, Paul B. 602 N. Rural St., In 9KV Swanger, Bertan R. 413 S. Martha St., A 9ID Swanson, Carl S. 7110 Cottage Grove A	hicago, Ill
9LP Stover, Peter A	head, Minn
9EA Stribley, Orris J	head, Minn
9TV Summers, Chessman M R. F. D. No. 6, Kok 9SL Sutcliffe, Ewart L 308 Kearsarge St., L 9DQ Sutherland, Kenneth L 1411 Harrison St., To 9IV Swaisgood, Paul B 602 N. Rural St., In 9KV Swanger, Bertan R 413 S. Martha St., A 9ID Swanson, Carl S 7110 Cottage Grove A	omo, Ind 30
9DQ Sutherland, Kenneth L. 1411 Harrison St., To 9IV Swaisgood, Paul B	aurium, Mich 150
9DQ Sutherland, Kenneth L. 1411 Harrison St., To 9IV Swaisgood, Paul B	males Wans OFF
9KV Swanger, Bertan R 413 S. Martha St., A 9ID Swanson, Carl S 7110 Cottage Grove A	peka, Kans 275
9KV Swanger, Bertan R 413 S. Martha St., A 9ID Swanson, Carl S 7110 Cottage Grove A	lianapolis, ind 990
9ID Swanson, Carl S	ngola, Ind 660
9P% Tallantira Thomas 1459 Footo Asso Doll	ve., Chicago, Ill 24
Tanenue, Inomas 400 Foote Ave., Dell	evue, Ky 440
9FP Tawkes, Chas. E 503 Hill St., Dubuqu	ie, Iowa
9HJ Taylor, Forrest Monroeville, Ind	500
9IE Taynton, Mark 7641 Bond Ave., Chi	cago, Ill 20
90N Teller, Kedzie Riverside, Ill	
9QV 9RU Thomas, Herschel 310 Polk St., Topeka R. F. D. No. 15, Am	, Kans 120
9RU Thomas, Herschel R. F. D. No. 15, Am 9QI Thomas, Rex 1248 Reisner St., Inc	boy, Ind
	lianapolis, Ind 250
	Chicago, Ill
9BM Throop, Fred I Gilman, Ill 9TS Tinling, Ted R. G 6042 Kenwood Ave.,	
9EB Tomann, Orville R R. F. D. No. 1, Ells	
9IU Tronske, Anthony 4675 Louisiana St., S	St. Louis, Mo 495
9JW Trump, Robert K 1254 Van Buren St.,	Topeka, Kans 385
9QK Tuckerman, Gustavus, jr. 5821 Pennsylvania A	ve., St. Louis, Mo 36
9TR Turner, Orville H. and 4534 McMillan Ave.,	St. Louis, Mo 300
Joseph T.	, , , , , , , , , , , , , , , , , , , ,
9EY Urquhart, David G 110 S. Irving Ave. (Chicago, Ill
98M Van Hook, Valens 127 Clay St., Topeka	, Kans 36
9SM Van Hook, Valens 127 Clay St., Topeka 9BV Van Slyck, Wellington 836 Main St., Lake (Kans. 36 keneva, Wis. 125
901 Vening, Robert 622 N. Rurai St., Inc	nanapons, Ind 250
9GR Wanner, Theodore L 803 S. 7th St., Fargo 9JT Warner, Kenneth B 402 Washington Ave	, N. Dak
9DI Warner, Kenneth B 402 Washington Ave Watkins, Chester E 110 Central Ave. As	, Cairo, Ill
9DI Watkins, Chester E 110 Central Ave., As 9CU Watkins, Edwin S 5245 Magnolia Ave.	hland, Ky
27.	Chicago, Ill 990
9DO Watson, Noble B 529 Warren Ave., In Weber, Anthony L 1302 Winona Ave., O	dianapolis, Ind 250 hicago, Ill 18
9DO Weber, Anthony L 1302 Winona Ave., C 9IG Weber, George 4123 Shenandoah Av	e., St. Louis, Mo 880
9CB Weiss, Clarence 644 Greenfield Ave.,	Milwaukee, Wis 56
9SK Weitz, Rudolph W 303 W. 42d St., Des	Moines, Iowa 660
9SK Weitz, Rudolph W 303 W. 42d St., Des 9MC West, Kenneth A 327 Huron Ave., She	boygan, Wis 250
9CT Wember, Anthony J 89 13th St., North Cl	nicago, Ill. 275
90Q Wevant, James E Shortridge High Scho	ool, Indianapolis, Ind 350
9QC Wheeler, Ted R	, Kansas City, Kans. 550
9LB Whipple, Arthur F 1040 N. Leclaire Ave	., Chicago, Ill 220
90L Whitaker, Harold P 1004 10th St., Racing	e, Wis 50
White, H. S. M. 1523 Jackson St., Sid	ux City. Iowa
9AY Whitmer, Albert G 452 W. 60th St., Chi	cago, Ill
900 I Wiggin, Parker E 737 Waverly Ave., R	ansas City, Kans 440
90A Wigton, Theron W 27 N. Anderson St.,	Aurora, Ill
9KH Wilcox, Leo B 415 W. Park Ave., A Williams, Archie J 1036 Huntington Av	ngola, Ind 660
9ME Williams, Archie J. 1036 Huntington Av	e., Covington, Ky 45
	hanute, Kans 500
981 Williams, Morton B 2419 S. Calhoun St., 9RA Williams Norman B 115-117 N Vermillio	
90K Williams, Norman B 115-117 N. Vermillio 90K Williams, Warren 1210 S. High St., De	n St., Streator, III 100
ONTE TOTAL STREET	nver, Colo
9FG William P 610 N. Grove Ave., 6 Wilson, Gilbert M 718 S. 10th St., La l	
9EP Wilson, Guy E 3922 Flora Ave. Kar	Fayette, Ind

164 BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

Amateur Radio Stations—Ninth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
9NR 9TP 9MX 9AR 9HA 9NC 9CY 9UV 9QM 9NL 9FJ 9HB 9GE	Winchester, Roy H Witteraft, Wilbur. Withington, Charles H Woodruff, Ralph T Woods, William E Woolley, Francis L Wooster, Stanley W Wright, Kenneth W Wunderlich, Clarence C. Wunderlich, Norman Wyckoff, Ralph R Youker, J. Clayton Yount, Floyd H	840 De Kalb Ave., Sycamore, Ill	Watts. 990 500 1,000 440 500 920 900 880 92 220 500 27 24 550
9JX 9DM	Zeman, AntonZiesenis, Harry	3000 S. Harding Ave., Chicago, Ill 700 Mississippi St., Lawrence, Kans	36 990

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.
9AA	Klentz, Clarence.	9BK	Clemons, G. H.
9AB	Groskopf, William L.	9BL	Perine, W. B.
9AC	McGuffage, William J.	9BM	Throop, Fred I.
9AD	Porwancher, Samuel.	9BN	Flynn, John H., jr.
9AE	Crouch, Haley C.	9BO	Fry, Claud.
9AF	Cole, Walten E., jr.	9BP	Holcombe, Ray E.
9AG	McArdle, Warren C.	9BQ	Nelson, Eddie.
9AH	Kihlstrom, Harry C.	9BŘ	Smith, Raymond J.
9AI	Kaufmann, Elmer.	9BS	Jorgenson, Harold.
9AJ	Siegel, Robert C.	9BT	Duquette, Herbert E.
9AK	Andresen, E. Norman.	9BU	Brown, Clarence L.
9AL	Johnson, Arthur F.	9BV	Van Slyck, Wellington.
9AM	Jackson, William C.	9BW	Reinhardt, William.
9AN	Cole, Jirah D., jr.	9BX	Hantzsch, Ralph E.
9AO	Lipman, Theodore E. K.	9BY	Kennan, Richard C.
9AP	Kingsley, Raymond C.	9BZ	Hoople, Frank C.
9AQ	Skrainka, R. Nicholas, and		
•	Walter.	9CA	Norene, Raymond E.
9AR	Woodruff, Ralph T.	9CB	Weiss, Clarence.
9AS	Goodnow, Frank E.	9CC	Pierson, Martin.
9AT	Stetson, Donald T.	9CD	Moen, Vere M.
9AU	Flanders, Douglass A.	9CE	Hansen, Leland H.
9AV	Hamel, Walter H.	9CF	Coffman, Scott.
9AX	Fowler, Harry A.	9CG	Johnson, Ralph J.
9AY	Whitmer, Albert G.	9CH	Riggin, Benjamin F.
9AZ	Davidson, James G.	9CI	Johnson, August R.
	,	9CJ	Harry, Charles.
9BA	Smith, Paul C.	9CK	Abel, Wilson L.
9BB	Nattenheimer, Ervin B.	9CL	Whitaker, Harold P.
9BC	Dunlap, Carroll M.	9CM	Klicpera, Milhart F.
9BD	Keeler, Fayette W.	9CN	Cobb, Merle.
9BE	Myers, Delbert.	9CO	Bautz, Russell.
9BF	Klingenhagen, George F.	9CP	Stelloh, Henry.
9BG	Shepherd, Don I.	9CQ	Weyant, James E.
9BH	Neitz, Paul I.	9CR	Buehner, Howard.
9BI	Craig, Richard A.	9CS	Ragan, Tate V.
9BJ	Munchhof, Leo G.	9CT	Wember, Anthony J.

AMATEUR RADIO STATIONS—NINTH DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal. 9CU 9CV 9CW 9CX 9CY	Watkins, Edwin S. Thorne, Robert S. Egloff, Martin F. Haynes, Roy. Wooster, Stanley W.	9FB 9FC 9FE 9FF 9FF	Owner of station. Martin, John J. Anders, Harry R. Dunklan, George.
9CV 9CW 9CX 9CY	Thorne, Robert S. Egloff, Martin F. Haynes, Roy. Wooster, Stanley W.	9FC 9FE 9FF	Anders, Harry R.
9CV 9CW 9CX 9CY	Thorne, Robert S. Egloff, Martin F. Haynes, Roy. Wooster, Stanley W.	9FC 9FE 9FF	Anders, Harry R.
9CW 9CX 9CY	Egloff, Martin F. Haynes, Roy. Wooster, Stanley W.	9FE 9FF	
9CX 9CY	Haynes, Roy. Wooster, Stanley W.	9FF	
9CY	Wooster, Stanley W.		Hughes, Walter J.
		II OT CI	Wilson, Gilbert M.
9DA	. .	9FH	Dahm, Henry L.
	Irvin, John A.	9FI	Chaudet, William J.
9DB	Paust, Lawrence R.	9FJ	Chaudet, William J. Wyckoff, Ralph R.
9DC	Fahrney, Clarence H.	9FK	Oetjen, Richard J.
9DD	Rogers, Glen B.	9FL	Hauck, George.
9DE	Jensen, Arnold N.	9FM	Preuss, Arthur C.
9D F	Dutton, Laurence E.	9FN	Abraham, Walter H.
9 <u>DG</u>	Hilgenberg, Noble C.	9FO	Rehm, Ralph E.
9DH	Levi, Simeon C.	8FP	Tawkes, Chas. E.
9DI	Watkins, Chester E. Beasley, William A. O'Neil, Donald H. C.	9FR	Heckenkamp, Emile B.
9DJ	Beasley, William A.	8FS	Reineke, Earl C.
9DK	O'Neil, Donald H. C.	9 FT	Graves, G. G.
9DL	Friend, Earle M.	9FU	La Duke, Earl R.
9DM	Ziesenis, Harry.	9FV	Saunders, P. Bushnell.
9DN	Sears, Charles L.	9FW	Moreland, Henry F.
9DO	Weber, Anthony L.	9FX	Smith, Wilson.
9DP 9D Q	Clark, Bayard H.	9FY 9FZ	Pagett, Harry L.
9DŘ	Sutherland, Kenneth L.	912	McManus, John C.
9DS	Juvenal, James B.	9GA	Rooks Anthun I.
9DT	Remmers, Elmer. Schaf, J. Charles, jr.	9GB	Racke, Arthur L. Boess, Murray R.
9DU	Elliott, Byron K.	9GC	Read, Harry.
9DV	Hearne, George M.	9GE	Smith, Hubert A.
9DW	Barrett, Arthur C.	9ĞF	Mueller, Carl E.
9DX	Fostrom, Harry.	9ĞĞ	Hagen, Edwin N.
9DY	Fostrom, Harry. Mitchell, Len B.	9GH	Sever, Harold C.
9DZ	Barton, Harold.	9GI	Hanson, Frederick R. A.
		9 GJ	Simpson, Virgil S.
9EA	Stribley, Orris J.	9GK	Lobas, John W.
9EB	Tomann, Orville R.	9GM	Sproehnle, John R.
9EC	Lebo, Robert B.	9GN	Curtis, Charles D.
9ED	Burgess, Charles M.	9 GP	Denny, L. Erle.
9EE	Silcox, Harry A.	9GQ	Wiggin, Parker E.
9EF	Shotwell, Harold H.	9GR	Wanner, Theodore L.
9EG	Dean, Carl W.	9GS	Robbins, Donald T.
9EH	Kegley, William F.	9GT	Grecian, Everett.
9EI 9EJ	Spaniol, John T.	9GU	Clayton, Homer E.
9EK	Kreis, Erwin.	9GV	Coles, James A.
9EL	French, Newell E.	9GW 9GX	Arnold, Ercil.
9EM	Murphy, James P. Love, Andrew A., jr.	9GZ	Fox, John E. Ihl, G. Sheridan.
9EN	Fisher, Ralph.	802	ini, G. Shendan.
9EO	Rivett, Ralph.	9HA	Woods, William E.
9EP	Wilson, Guy E.	9HB	Youker, J. Clayton.
9EQ	Cruikshank, Charles A., jr.	9HC	Kerney, Iden M.
9EŘ	McLoad, Kenneth.	9HD	Prahl, Louis.
9ES	Graham, Walter N., jr.	9HE	Bergyall, RoyalC and WesleyE
9ET	Conzelman, J. Wilson.	9HF	Hatch, J. Hadley.
9EU	Landis, Clyde L.	9HG	Kistner, Joseph.
9EV	Piersol, Myron D.	9HH	Bohac, Leonard.
9EW	Jackson, Arved C.	9HI	Burchnell, George M.
9EX	Adolfson, George S.	9HJ	Taylor, Forrest.
9EY	Urquhart, David G.	9HK	St. Cyr, Albert.
9EZ	Davis, Richard M.	9HL	Crawford, Robert.
OT3 A		9HM	Davis, Donald W.
9FA	King, Lawrence.	9HN	Crowdus, James A.

Amateur Radio Stations—Ninth District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
9HO	Kossow, Erwin.	9JZ	Schubert, Clarence K. F.
9HP	Miller, William S.	1	ŕ
9HR	Baulch, Ernest L.	9KA	Markowski, Edward T.
) BHS	Ludwig, Fred N.	9KB	Goodman, Mark.
HT	Kelso, Charles A.	9KC	Lee, David R.
HU	Saner, Robert J.	9KD	Carll, W. Curtis.
HW	Peterson, Oscar W.	9KE	Kranzfelder, Leonard J.
HX	Foss, H. Marcus.	9KF	Pardick, Victor.
HY	Erwood, John, jr.	9KG	Gore, Harold.
ΉŽ	Hubbard, Clarence.	9KH	Wilcox, Leo B.
	musica, cameros.	9KI	Neuman, Russell A.
IA	Mertins, Oscar A.	9KJ	Hill, Frederick A.
ÍΒ	Stanley, Charles A.	9KK	Hendricks, George.
oic	Greanleaf, Sydine A.	9KL	Helms, Elvin E.
ÎĎ	Swanson, Carl S.	9KM	Anderson, Oscar L.
ÎĒ	Taynton, Mark.	9KN	Burg, Harold E.
ÖİF	Cole, Jirah D., jr.	9KO	Joseph, Jarold S.
olG		9KP	Conner, Claud H.
HIE	Weber, George. Snyder, Wendell H.		
oII	Fisherhamon Welter	9KQ 9KR	Jones, Frank S.
	Eichenberger, Walter.	9KS	Lagodzinski, Harry J.
9IJ	Schulte, George.		Mehrhof, Alexander R.
PIK	Mathews, Ralph H. G.	9KT	La Plant, G. L.
9IL	Batcher, Ralph.	9KU	Burgy, Charles A., jr.
9IM	Pearce, Charles H.	9KV	Swanger, Bertan R.
NIE	Gates, Preston L.	9KW	Scott, M. Vernon.
	Henry, Albert L.	9KX	Mathias, Russell E.
9IP	Nicolay, Adolph W.	9KY	Hartwell, Eugene H.
9IQ	Call, George R.	9 KZ	Roach, John M.
9IR	Schricker, J. Raymond.		
9IS	Fish, John R.	9LA	Reichenecker, Frank N.
9IT	Sels, Hollis K.	9LB	Whipple, Arthur F.
91 <u>U</u>	Tronske, Anthony.	9LC	Casey, John G.
91V	Swaisgood, Paul B.	$\parallel 9 \text{LD}$	Brinkerhoff, George H., jr.
9IW	Brown Ellswo	9LE	Lisle, Waldo E.
9IX	Smith, Henry M.	9LF	Keenan, Charles J.
9 IY	Perkins, Darlton C.	9LG	Scheuer, Edward W.
9IZ	Harris, Ralph G.	9LH	Stone, J. McW.
	_	9LI	Heiser, Walter C.
9JA	Watson, Noble B.	9LJ	Becker, Clarence.
9JB	Erikson, Eben W.	9LK	Harrison, Major P., jr.
9JC	Salter, John R.	9LL	Plummer, Evans E.
9JD	Laier, James A.	9LM	Schowalter, Elmer R.
9JE	Baumer, Harry W.	9LN	Laughlin, Dale.
9JG	Hood, Norman R.	9LO	Perkins, Albert.
9JH	White, H. S. M.	9LP	Stover, Peter A.
9JI	Sommer, James M.	9LQ	Kruse, Schiller.
9 JJ	Dyson, L. E.	9LŘ	Kruse, Schiller. Carroll, William H.
JK	Keough, Otis E.	9LS	Fisk, Kenneth.
JL	Keller, Stanley L.	9LU	Knouf, Ralph.
9ЈМ	Putz, Anton E.	j 9LV	Ehling, Fritz.
9JN	Chubb, Jake H.	9LW	Howard, Clyde M.
ejo	Bolen, John C., ir.	9IX	Howard, Clyde M. Leberman, Palmer K.
ijĞ	Finlay, William J.	9LY	Melville, Malcolm L.
IJŘ	Finlay, William J. Miller, Harry F.	9LZ	Mason, Francis M., jr.
ojs	Osborn, Paul I.	9112	maon, rianco m., jr.
JT	Warner, Kenneth B.	9MA	Smith, Lester M.
9JŪ	Diattariah Frank E		Andress Gereld T
	Dietterich, Frank E.	9MB	Andreas, Gerald T.
9JV	Wright, Kenneth W.	9MC	West, Kenneth A.
JW	Trump, Robert K.	9MD	McClintock, William S., jr.
9JX 9 J Y	Zeman, Anton. Black, Max I.	9ME	Williams, Archie J.
	KIDAR MAY I	[∥] 9MF	Stauber, Anthony W.

Amateur Radio Stations—Ninth District—Alphabetically by Call Signals—Continued.

all signal.	Owner of station.	Call signal.	Owner of station.
MG.	Morgan, Henry C.	9ON	Teller, Kedzie.
MH.	Moore, William M.	900	Semmelmeyer, Herbert.
ΔI	Shiel, Merrill.	9OP	Born, John F. F.
ΜĴ	Hussner, Helm C.	90Q	Coultas, Charles,
иK	Giltner, L. Wallace.	90Ř	Eling, Raymond W.
ML	Eick, Ferdinand.	908	Rutt, Burnice L.
MM I	Pickett, Chester H.	9OT	Speicher, John B.
MN	Leonard, Frank.	9ÕŪ	Pye, Harold.
10	Lange, Harold T.	9OV	Richardson, David W.
IP	Ruffer, Earl P.	90W	Del-Vecchio, Earl.
4Q	Graham, Albert I.	90X	Stevers, Harold D.
ИŘ	Lorance, George T.	9OY	Menninger, Joseph F.
MS	Dier, Stephen.	90Z	Phillips, H. Leroy.
ďΤ	Neumann, Clarence F.		
νŪ	Hess, Merriman.	9PA	Korthals, Albert.
νīΫ	Hughes, James C.	9PB	Sager, Arthur.
ÑW.	Morrison, Francis S.	9PC	Carter, George W.
ИX	Withington, Charles H.	9PD	Caseaday, Cecil E.
VΫ́	Haines, Thorvald L.	9PE	Stang, Ray E.
4Z	Haines, Thorvald L. Evans, Walter C.	9PF	Bolin, Ray E.
	•	9PG	Bergherm, Worth D.
NA	Cleaveland, Leroy A.	9PH	Ranson, Richard R.
NB	Woolley, Francis L.	9PI	Finehout, Fred.
NC	Woolley, Francis L.	9PJ	Clark, Robert J.
ND di	Roberts, Mason C.	9PK	Foster, Edwin
NE	Riley, Wilson M.	9PL	Langen, George R.
NF	Neumeister, Carl.	∥ 9PM	Kaiser, Bernard O.
NG	Jansen, Laurence.	9PN	Williams, Harry B.
HI.	Abercrombie, Julius B.	9PO	Hanes, Fred B.
NI	Krug, Eugene C.	9PP	Rowley, Burton.
NJ	Brabender, Carl W.	9PQ	Greenleaf, Burton B.
NK	Moss, Frank K.	9PR	Laidlaw, Robert F.
NL	Wunderlich, Norman.	9PS	Gosha, Donald.
MM	Glavin, Roland E.	9PT	Corey, Flournoy.
NN	Deal, Harmon B.	9PU	Spicer, Verne T.
10	Romberg, Malcolm.	9PV	Miller, Harry P.
NP	Millard, Thomas.	9PW	Spicer, Verne T. Miller, Harry P. Peck, Earle M.
VQ.	Faber, Peter, jr.	9PX	Gustafson, C. Hjalmar.
NR	Winchester, Roy H.	9PY	Pierson, Stuart W.
NS S	Stevens, Eugene.	9PZ	Tallentire, Thomas.
T	Chapman, Richard C.	00.4	TT-win Ob - 35
U	Perry, William N.	9QA	Huttig, Charles M.
VV	Gates, Arthur R.	9QB	Cannon, Charles B.
W	Caldwell, Kenneth R.	9QC	Wheeler, Ted R. Albach, Henry, jr.
X	Phelps, Clyde W.		Vount Flord H
VY VZ	Ivy, John S.	9QE	Yount, Floyd H.
NZ	Willing, William P.	9QF	Lockwood, Charles E.
) A	Dillow Toronh	9QG	Davis, T. Harley.
)B	Dilley, Joseph	9QI	Thomas, Rex. Hood, Kuper, jr.
	Church, Archibald, jr.	9QJ	Tuckermen Guetevus in
)C	Masters, Hardin.	9QK	Tuckerman, Gustavus, jr.
DE OE	Kohi, William.	9OM	Baldwin, John G.
)F	Myers, John W.		Wunderlich, Clarence C.
OG	Kellenberger, Harry S.	9QN 9QO	Oberholtz, Édwin F. Petersen, Walter.
OH OH	Springer, Charles W. Pentland, Robert L.	9QP	Mann, Harold L.
	Holta Harold O		
OI OJ	Holte, Harold O.	9QQ 9QR	Spencer, Earle W Jewett, Gerald A.
OK	Barry, Daniel.	9 Q S	Hood, Thomas.
OL OL	Williams, Warren. Johnson, Enoch.	9QT	Beighley, Emmet R.
OM MO	Finley, Cyrus P.	∥ ŠÕŪ	Rudd, Rudolph.
- AL	· ramoy, Oyius r.	e	· wada, wadoipu.

Amateur Radio Stations—Ninth District—Alphabetically by Call Signals—Continued.

Callsignal.	Owner of station.	Call signal.	Owner of station.
9QV	Thatcher, Safford D.	980	Day, Harold E.
9QW	Carnes, Theodore L.	9SP	Maxson, Rolland and Charles S
9QX	Galpin, John K.	$ \tilde{g}\tilde{S}\tilde{Q} $	Iverson, Reginald J.
9QY	Vehling, Robert.	988	Schrage, Charles T.
9QZ	Meyer, Otto.	9ST	Roth, John.
0423	110,01,000.	9SU	Seese, Thomas G.
9RA	Williams, Norman B.	9SV	Fay, Arthur S.
9RB	Kluge, Arno A.	9sw	Gammon, Frank E.
9RC	Bohnstongel Goorge	98X	
9RD	Bohnstengel, George. Johnson, D. Vernet.	9SY	Steinberg, Alfred F. Williams, Morton B.
9RE	Mathauser Tames I	9SZ	
	Mathauser, James J.	954	Bonney, Harold H.
9RF	Beil, Richard M.	0704	Domin Desi
9RG	McCartney, Hugh S.	9TA	Parnin, Ross.
9RH	Debus, George W.	9TB	Morthland, George G.
9RI	Albrecht, Harry L.	9TC	Krause, Charles H.
9RJ	McCoy, James B.	9TD	Eisele, Edward J.
9RK	Norviel, Herbert D.	9TE	Cronk, Seymour H.
9RL	Saltmarsh, Eugene P.	9TF	Fox, Laurence C.
9RM	Guthrie, Edwin P.	9TG	Fruit, Lester.
9RN	Maibucher, Fred J.	9TH	Liston, Earl.
9RO	Fellows, Charles.	9TI	Morshead, John S.
9RP	Graf, Rudolph.	9 TJ	Hancock, George T.
9RQ	Nelson, Carl H.	9TK	Jensen, Louis T.
9RR	McCall, John A.	9TL	Newhall, Elwood L.
9RS	Meyer, Walter A.	9TM	Bonson, George W.
9RT	Masters, Raymond.	9TN	Mirgeler, Robert J.
9RU	Thomas, Herschel.	9TO	Cyr, Darrell J.
9RV	Henning, William C.	9TP	Witeraft, Wilbur.
9RW	Burhop, Harold.	9TQ	Griggs, Fred W.
9RX	Cummings, Murney.	9TŘ	Turner, Orville H. and Joseph'
9RY	Stephens, Harold R.	9TS	Tinling, Ted R. G.
9RZ	Stone, Francis E.	9TT	Ort, Henry M.
		9TÛ	Gruda, Edgar.
9SA	Brennan, Joseph D.	9TV	Summers, Chessman M.
9SB	Rawson, A. Cummins.	9TW	Anderson, Axel V.
9SC	Cooper, Charles H.	9TX	La Rue, Harold.
$\widetilde{\widetilde{\mathbf{g}}}\widetilde{\widetilde{\mathbf{g}}}\widetilde{\widetilde{\mathbf{D}}}$	Broughton, William G.	9TY	Pope, Franklin R.
9SE	Schmidt, Otto G.	9TZ	Lamb, Rea M.
9SF	Daugherty, Hugh D.	012	Damo, Ivea H.
9SG	Komm, Paul M.	9UA	Wigton Thoron W
9SH		9UB	Wigton, Theron W.
9SI	Burdick, Roy E.	9UC	Osting, Raymond.
	Lowe, Meredith B.		Loveless, Harry L.
9SJ	Nolte, Edward F.	9UD	Diehl, Grant, jr.
9SK	Weitz, Rudolph W.	9UE	Fels, Thomas W.
9SL	Sutcliffe, Ewart L.	9UF	Goerisch, William.
9SM	Van Hook, Valens.	9UG	Koenig, William, jr.
9SN	Anderson, Virgil.	ii I	

APPENDIX.

TRANSMISSION OF TIME SIGNALS BY NAVAL RADIO STATIONS.

The transmission of time signals to vessels at sea by means of radiotelegraphy was first accomplished in the United States in 1905, and this service, enlarged and extended, has continued to the present time. This service is of the greatest value to mariners, as it furnishes a means by which the time, as given by the transmitted signals, may be compared with a ship's chronometer and the error of the chronometer found. Similar comparisons over a number of days enable data to be obtained by which not only the error may be found, but also the chronometer rate; that is, the rate at which it is gaining or losing.

The noontime signals on the Atlantic coast are sent out through the coast radio stations by connection with Western Union telegraph lines from the United States Naval Observatory at Washington, D. C. By the operation of proper relays in electrical circuits, the beats of the seconds of a standard clock in the observatory are sent out broadcast as a series of radio dots, commencing five minutes before the time of the final signal. By omitting certain dots in a series, the comparison between the dots and the beats of the chronometer seconds can be checked until the instant of local noon (seventy-fifth meridian time) is reached. This is marked by a longer dot, which gives the time of exact noon. A comparison with the chronometer time at that instant gives its error referred to the seventy-fifth meridian time. Applying the difference in longitude, namely, five hours, between the seventy-fifth meridian and Greenwich, which is the standard meridian (or 0° longitude), the error of the chronometer referred to Greenwich time is determined.

Time signals are now sent out on the Atlantic coast only through the radio stations at Arlington, Key West, and New Orleans. Signals from Arlington and Key West, which reach a zone formerly served by other coast stations, are sent out every day in the year twice a day, viz, from 11.55 a.m. to noon and from 9.55 to 10 p.m., seventy-fifth meridian time. Time signals from New Orleans are sent out daily, including Sundays and holidays, commencing at 11.55 a.m., seventy-fifth meridian time, and ending at noon.

In case of failure of the Arlington high-power station, the signals are sent out by the small set in the same station, and the stations at Boston, New York, Newport, Norfolk, and Charleston are notified, and they each send the signals broadcast.

On the Pacific coast the time signals are sent broadcast to sea through the naval radio stations at Mare Island, Eureka, Point Arguello, and San Diego, Cal., and at North Head, Wash. The controlling clock for each station is in the naval observatory at the Mare Island Navy Yard. Signals from Mare Island are sent out every day from 11.55 to noon, and from 9.55 to 10 p. m., one hundred and twentieth meridian standard time. Those from North Head, Eureka, Point Arguello, and San Diego are sent out daily, excluding Sundays and holidays, from 11.55 to noon, one hundred and twentieth meridian standard time.

To get the maximum clearness of signals, the receiving circuit should be tuned to that of the sending station. Arlington and Mare Island send on a 2500-meter wave length, North Head and San Diego on a 2000-meter wave length, Eureka on a 1400-meter wave length, Key West and New Orleans on a 1000-meter wave length, and Point Arguello on a 750-meter wave length. On the completion of the new radio station at the training station, Great Lakes, time signals will be transmitted from that station for the benefit of shipping on the Great Lakes, as well as the weather reports for that region, now transmitted by Arlington after the Atlantic coast weather bulletin, following the 10 p. m. time signals.

TRANSMISSION OF WEATHER REPORTS BY NAVAL RADIO STATIONS.

Through cooperation with local offices of the United States Weather Bureau, weather forecasts are sent broadcast to sea through naval coast radio stations at certain times, varying with the locality. Coast stations are generally prepared to give local forecasts to passing vessels without charge, on request. Storm warnings are sent whenever received and the daily weather bulletins are distributed by the naval radio stations at Arlington, Va., and Key West, Fla., a few minutes after the 10 p. m. time signal. These bulletins consist of two parts.

The first part contains code letters and figures which express the actual weather conditions at 8 p. m., seventy-fifth meridian time, on the day of distribution, at certain points along the eastern coast of North America, one point along the Gulf of Mexico, and one at Bermuda.

The second part of the bulletin contains a special forecast of the probable winds to be experienced a hundred miles or so off shore, made by the United States Weather Bureau, for distribution to shipmasters. The second part of the bulletin also contains warnings of

severe storms along the coasts, as occasions for such warnings may arise.

Immediately following this bulletin, a weather bulletin for certain points along the Great Lakes is sent broadcast by the naval radio station at Arlington, Va., consisting of two parts. The first part contains code letters and figures which express the actual weather conditions at 8 p. m., seventy-fifth meridian time, on the day of distribution, at certain points along the Lakes. The second part of the bulletin contains a special forecast of the probable winds to be experienced on the Lakes, during the season of navigation—about April 15 to December 10.

The points for which weather reports are furnished are designated as follows: For Atlantic coast and Gulf points, S=Sydney, T=Nantucket, DB=Delaware Breakwater, H=Hatteras, C=Charleston, K=Key West, P=Pensacola, and B=Bermuda; for points on the Great Lakes, Du=Duluth, M=Marquette, U=Sault Ste. Marie, G=Green Bay, Ch=Chicago, L=Alpena, D=Detroit, V=Cleveland, and F=Buffalo.

All bulletins begin with the letters U. S. W. B. (United States Weather Bureau) and the weather conditions follow. The first three figures of a report represent the barometric pressure in inches (002 = 30.02); the next figure, the fourth in sequence, represents the direction of the wind to the eight points of the compass: 1 = north, 2 = north-east, 3 = east, 4 = southeast, 5 = south, 6 = southwest, 7 = west, 8 = northwest, and 0 = calm. The fifth figure represents the force of the wind on the Beaufort Scale, given below.

Beaufort Scale of wind force.

rte miles hour.	Nautical miles per hour.
0 to 3 8 13 18 23 28 34 40 48 56 65 75 90	0 to 2. 6 6. 9 11. 3 15. 6 20. 0 24. 3 29. 5 34. 7 41. 6 56. 4 65. 1
1	65 75

172 BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

In order to simplify the code, no provision has been made for wind force greater than 9, strong gale, on the Beaufort Scale. Whenever winds of force greater than 9 occur, the number representing them is given in words instead of figures, thus: Ten, eleven, etc.

EXAMPLES OF CODE.

U S W B S 96465 T 91674 DB 94686 H 99886 C 01214 K 02622 P 03613 B 00065

Translation.

United States Weather Bureau.

	_	Wind.	
Station.	Pressure.	Direction.	Force.1
Sydney Nantucket Delaware Breakwater Hatteras Charleston Key West Pensacola Bermuda	29. 16 29. 46 29. 98 30. 12 30. 26	SW W NW NW N N NE N SW	5 4 6 6 4 2 2

¹ See Beaufort scale.

USWB Du 95826 M 97635 U 00443 G 96046 Ch 95667 L 00644 D 00842 V 01054 F 01656

Translation.

United States Weather Bureau.

6		Wind.	
Station.	Pressure.	Direction.	Force.1
Duluth		NE E	6
Marquette	30. 04	SE SE	3
Chicago. Alpena.	29. 56 30. 06	SW SE	7 4
DetroitCleveland	30. 10	SE S	2
Buffalo	30. 16	s	6

¹ See Beaufort scale.

INTERNATIONAL MORSE CODE AND CONVENTIONAL SIGNALS.

[To be used for all general public service radio communication. (1) A dash is equal to three dots; (2) the space between parts of the same letter is equal to one dot; (3) the space between two letters is equal to three dots; (4) the space between two words is equal to five dots.]

<u>A</u>	Period
$\overset{\text{B}}{\overset{\text{C}}}{\overset{\text{C}}{\overset{\text{C}}{\overset{C}}{\overset{\text{C}}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}}{\overset{\text{C}}{\overset{\text{C}}}{\overset{\text{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}$	Semicolon
$\stackrel{ ext{D}}{=} \cdots$	Comma
$\frac{\mathbf{F} \dots \mathbf{F}}{\mathbf{G} \dots \mathbf{F}}$	Colon
H I	Interrogation
ў.——— К.—.—	Exclamation point
L M	Apostrophe
N O	Hyphen
P Q	Bar indicating fraction
Ř S	Parenthesis
T	Inverted commas
₩ <u></u>	Underline
$X_{\underline{Y}}$	Double dash
Z	Distress Call.
	Attention call to precede
\ddot{A} (German)	every transmission
A or A (Spanish-Scandinavian)	General inquiry call
CH (German-Spanish)	From (de)
	Invitation to transmit (go ahead)
E (French)	Warning—high power
Ñ (Spanish)	Question (please repeat after)—interrupting long
Ö (German)	messages
Ü (German)	Wait
••	Break (Bk.) (double dash)
	Understand
1	Received (O. K.).
3	Position report (to precede all
5	position messages)
7	End of each message (cross)
9	work) (conclusion of cor- respondence)
v — — — —	respondence)

LIST OF ABBREVIATIONS TO BE USED IN RADIO COM-MUNICATION.¹

Abbre- viation.	Question	Answer or notice.		
C Q		Signal of inquiry made by a station desiring to communicate.		
ТR	- ·-·	Signal announcing the sending of par- ticulars concerning a station on		
(!)		shipboard (Art. XXII). Signal indicating that a station is about to send at high power.		
PRB	Do you wish to communicate by	I wish to communicate by means of		
	means of the International Signal Code?	the International Signal Code.		
\mathbf{QRA}	What ship or coast station is that?	This is		
QRB	What is your distance?	My distance is		
$\mathbf{Q}\mathbf{R}\mathbf{C}$	What is your true bearing?	My true bearing is degrees.		
QRD	Where are you bound for?	I am bound for		
\mathbf{QRF}	Where are you bound from?	I am bound from		
$\mathbf{Q}\mathbf{R}\mathbf{G}$	What line do you belong to?	I belong to the Line.		
QRH	What is your wave length in meters?	My wave length is meters.		
\mathbf{QRJ}	How many words have you to send?	I have words to send.		
QRK	How do you receive me?	I am receiving well.		
QRL	Are you receiving badly? Shall I	I am receiving badly. Please send		
	send 20.	20.		
	· · · — ·	• • • — •		
ODM	for adjustment?	for adjustment.		
QRM QRN	Are the atmospherica strong?	I am being interfered with. Atmospherics are very strong.		
QRO	Are the atmospherics strong? Shall I increase power?	, ,		
QRP	Shall I decrease power?	_		
QRQ	Shall I send faster?	Send faster.		
QRS	Shall I send slower?	Send slower.		
QRT	Shall I stop sending?			
QRU	Have you anything for me?			
QRV	Are you ready?			
QRW	Are you busy?			
		Please do not interfere.		

 $^{^1}$ When an abbreviation is followed by a mark of interrogation, it refers to the question indicated for that abbreviation.

LIST OF ABBREVIATIONS TO BE USED IN RADIO COMMUNICATION—Continued.

Abbre- viation.	Question.	Answer or notice.
QRX	Shall I stand by?	Stand by. I will call you when required.
QRY	When will be my turn?	Your turn will be No
QRZ	Are my signals weak?	Your signals are weak.
QSA	Are my signals strong?	Your signals are strong.
QSB	Is my tone bad?	The tone is bad.
	Is my spark bad?	The spark is bad.
QSC	Is my spacing bad?	Your spacing is bad.
QSD	What is your time?	My time is
QSF	Is transmission to be in alternate order or in series?	Transmission will be in alternate order.
QSG	·	Transmission will be in series of 5 messages.
QSH		Transmission will be in series of 10 messages.
QSJ	What rate shall I collect for?	Collect
QSK	Is the last radiogram canceled?	The last radiogram is canceled.
QSL	Did you get my receipt?	Please acknowledge.
QSM	What is your true course?	My true course is degrees.
QSN	Are you in communication with land?.	I am not in communication with land.
QSO	Are you in communication with any ship or station (or: with)?	I am in communication with (through).
QSP	Shall I inform that you are calling him?	Inform that I am calling him.
QSQ	Is calling me?	You are being called by
QSR	Will you forward the radiogram?	I will forward the radiogram.
QST	Have you received the general call?	General call to all stations.
QSU	Please call me when you have finished (or: at o'clock)?	Will call when I have finished.
Q\$V 1	Is public correspondence being handled?	Public correspondence is being handled. Please do not interfere.
QSW	Shall I increase my spark frequency?.	Increase your spark frequency.
QSX	Shall I decrease my spark frequency?.	Decrease your spark frequency.
QSY	Shall I send on a wave length of	Let us change to the wave length of
-	meters?	meters.
QSZ		Send each word twice. I have diffi- culty in receiving you.
QTA		Repeat the last radiogram.

¹ Public correspondence is any radio work, official or private, handled on commercial wave lengths.



DEPARTMENT OF COMMERCE BUREAU OF NAVIGATION

RADIO SERVICE

RADIO STATIONS OF THE UNITED STATES

EDITION JULY 1, 1916



WASHINGTON
GOVERNMENT PRINTING OFFICE
1916

Additional copies of this publication may be procured from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 15 cents per copy.

Copies of other publications of the Radio Service, Department of Commerce, may also be procured from the Superintendent of Documents, as follows: Radio Communication Laws and Regulations, 15 cents each; Radio Service Bulletin (issued monthly), containing amendments to or changes in radio laws and regulations and items of general interest concerning their enforcement, with latest information concerning all radio stations, except amateur, 5 cents each or 25 cents per year; Important Events in Radiotelegraphy, February 1, 1916, 5 cents each.

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NOTES.

Supplements, under the title "Radio Service Bulletin," are issued monthly and distributed to the United States officers engaged in or concerned with the enforcement of the radio laws for their guidance and instruction, and to those concerned with the operation of Government and commercial radio stations for their information.

The Radio Service Bulletin supersedes the quarterly supplements to the list of Radio Stations of the United States, and contains information concerning Government, commercial, and special stations only. Information regarding amateur stations appears only in the annual edition of the list of Radio Stations of the United States.

The bulletin contains tables of new stations, alterations, and corrections under headings, so that the list of Radio Stations of the United States and the list of Radio telegraph Stations, published by the International Bureau at Berne, may be brought up to date. Additions, alterations, and corrections should be entered in these two publications promptly on receipt of the bulletin.

Amendments to or changes in the Radio Laws and Regulations of the United States are printed in this bulletin in such a manner that they may be clipped and pasted in their proper places in that publication.

Items of general interest concerning the enforcement of the radio laws are printed in the bulletin from time to time, as occasion warrants.

Copies of this bulletin may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 5 cents per copy or 25 cents per vear.

Underscoring of normal wave lengths is indicated by the use of italics.

Government vessels showing "nature of service" to be PG will accept or transmit paid messages for officers or members of crews.

Government vessels proceeding singly may relay messages to the coast upon request. The regular ship rate will apply.

INTERNATIONAL ABBREVIATIONS USED IN THIS LIST.

Nature of service:

PG=General public.

PR=Limited public.

P=Private (limited commercial and special).

O=Government business exclusively.

Hours of operation:

N=Continuous service.

X=No regular hours.

Classification:

b=Ship station.

c=Land station.

OTHER ABBREVIATIONS.

Corp.=Corporation.

Nav.=Navigation.

Transp.=Transportation.

Marconi Co. = Marconi Wireless Telegraph Co. of America.

U. S. C. G.=United States Coast Guard.

D., L. & W. R. R. Co. = Delaware, Lackawanna & Western Railroad Co.

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RADIO STATIONS OF THE UNITED STATES.

INTRODUCTION.

This list, including land and ship stations, is published in accordance with Section I of an act of Congress entitled "An act to regulate radio communication," approved August 13, 1912.

The following instructions concerning radio call letters are issued for the information of those concerned:

- 1. Section 7 of the act of August 13, 1912, to regulate radio communication provides:
- SEC. 7. That a person, company, or corporation within the jurisdiction of the United States shall not knowingly utter or transmit, or cause to be uttered or transmitted, any false or fraudulent distress signal or call or false or fraudulent signal, call, or other radiogram of any kind. The penalty for so uttering or transmitting a false or fraudulent distress signal or call shall be a fine of not more than two thousand five hundred dollars or imprisonment for not more than five years, or both, in the discretion of the court, for each and every such offense, and the penalty for so uttering or transmitting, or causing to be uttered or transmitted, any other false or fraudulent signal, call, or other radiogram shall be a fine of not more than one thousand dollars or imprisonment for not more than two years, or both, in the discretion of the court, for each and every such offense.
- 2. The Service Regulations of the International Radiotelegraphic Conventions provide that the call letters of stations in the international system must each be formed of a group of three letters which shall be distinguishable from one another. The London International Radiotelegraphic Conference made a partial allotment of call letters among nations which signed the convention and the International Bureau at Berne, with the consent of such nations, has modified and added to this assignment of call letters by circulars of April 1, 1914, and August 1, 1915. The distribution of call letters among nations thus authorized is printed below for the guidance of operators of all stations (ship and shore) of the United States.

A......All to Germany and pro- | CQA to CQZ...Monaco. tectorates.

B..... All to Great Britain.

CAA to CEZ...Chile.

CFA to CMZ...Not yet assigned.

CNA to CNZ. . Morocco.

COA to COZ...Not yet assigned.

CPA to CPZ...Bolivia.

CRA to CTZ...Portugal and colonies.

CUA to CUZ...Not yet assigned.

CVA to CVZ...Roumania.

CWA to CWZ..Uruguay.

CXA to CZZ...Not yet assigned.

D..... All to Germany and protectorates.

EAA to EGZSpain and colonies.	QReserved for code abbre-					
EHA to EZZNot yet assigned.	viations.					
F All to France and colonies.	RAll to Russia.					
GAll to Great Britain.	SAA to SMZSweden.					
HAA to HFZAustria-Hungary and Bos-	SNA to STZBrazil.					
nia-Herzegovina.	SUA to SUZEgypt.					
HGA to HHZSiam.	SVA to SZZGreece.					
HIA to HIZDominican Republic.	TAA to TMZTurkey.					
HJA to HKZColombia (Republic).	TNA to TZZGermany and protecto-					
HLA to HZZNot yet assigned.	rates.					
IAll to Italy and colonies.	UAA to UMZFrance and colonies.					
JAll to Japan and posses-	UNA to UZZAustria-Hungary and Bos-					
sions.	nia-Herzegovina.					
KAA to KCZGermany and protecto-	VAA to VGZCanada (British).					
rates.	VHA to VKZ Australian Federation					
KDA to KZZUnited States.	(British).					
LAA to LHZ Norway.	VLA to VMZNew Zealand (British).					
LIA to LRZArgentine Republic.	VNA to VNZ South African Union					
LSA to LWZNot yet assigned.	(British).					
LXA to LZZBulgaria.	VOA to VOZNewfoundland (British).					
MAll to Great Britain.	VPA to VSZBritish colonies not au-					
NAll to the United States.	tonomous.					
OAA to OFZNot yet assigned.	VTA to VWZBritish India.					
OGA to OMZ Austria-Hungary and Bos-	VXA to VXZ Newfoundland (British).					
nia-Herzegovina.	VYA to VZZGreat Britain.					
ONA to OTZBelgium and colonies.	WAll to the United States.					
OUA to OZZDenmark.	XAA to XDZ. Mexico.					
PAA to PIZNetherlands.	XEA to XMZNot yet assigned.					
PJA to PJMCuração (Dutch).	XNA to XSZChina:					
PJN to PJZSurinam (Dutch).	XTA to XZZNot yet assigned.					
PKA to PMZ. Dutch East Indies.	Y All to Great Britain.					
PNA to PZZBrazil.	ZAll to Great Britain.					
PUBLIC-SERVICE STATIONS.						

- 3. The call letters assigned to the United States are all combinations (676) beginning with the letter N and all (676) beginning with the letter W, and all combinations (598) from KDA to KZZ, inclusive. The total number of international call letters assigned to the United States is thus 1,950, and these are reserved for Government stations and stations open to public and limited commercial service.
- (a) All combinations beginning with the letter N are reserved for Government stations and in addition the combinations from WUA to WVZ and WXA to WZZ are reserved for stations of the Army of the United States.
- (b) The combinations KDA to KZZ, with a few exceptions, are reserved for ship stations on the Atlantic and Gulf of Mexico and for land stations on the Pacific coast.
- (c) The combinations beginning with W (except WUA to WVZ and WXA to WZZ as already indicated) are reserved, with a few

exceptions, for ship stations on the Pacific and the Great Lakes and for land stations on the Atlantic and Gulf coasts and in the Great Lakes region.

AMATEUR STATIONS.

- 4. The call letters for amateur stations in the United States are awarded by radio inspectors, each for his own district, according to the following system:
- (a) The call will consist of three items—the number of the radio district, followed by two letters of the alphabet. Thus, the call of all amateur stations in New England (which comprises the first district) is the figure "one" in Continental Morse, followed by two letters; in California (in the sixth district) the figure "six" followed by two letters; in South Carolina the figure "four" followed by two letters; in Missouri the figure "nine" followed by two letters, etc. The letters X, Y, Z, are not used as the first of the two letters.

The territory of each district is as follows:

- 1. Boston, Mass...........Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut.
- New York, N. Y...... New York (county of New York, Staten Island, Long Island, and counties on the Hudson River to and including Albany, Rensselaer, and Schenectady), and New Jersey (counties of Bergen, Passaic, Essex, Union, Middlesex, Monmouth, Hudson, and Ocean).
- 3. Baltimore, Md.......New Jersey (all counties not included in second district),
 Pennsylvania (counties of Philadelphia, Delaware, all
 counties south of the Blue Mountains, and Franklin
 County), Delaware, Maryland, Virginia, District of
 Columbia.
- 4. SAVANNAH, GA.......North Carolina, South Carolina, Georgia, Florida, Porto Rico.
- New Orleans, La..... Alabama, Mississippi, Louisiana, Texas, Tennessee, Arkansas, Oklahoma, New Mexico.
- 6. San Francisco, Cal... California, Hawaii, Nevada, Utah, Arizona.
- 7. SEATTLE, WASH......Oregon, Washington, Alaska, Idaho, Montana, Wyoming.
- 8. Detroit, Mich......New York (all counties not included in second district),
 Pennsylvania (all counties not included in third district),
 West Virginia, Ohio, Michigan (Lower Peninsula).
- (b) The three items—a given figure first, followed by two letters of the alphabet—thus may be combined in 598 different calls.
- (c) Radio inspectors insert amateur station calls in station licenses according to this system, and keep a permanent chart of 598 squares, lettered with the alphabet from left to right and from top to bottom (A to W), inserting in the appropriate square the serial license number and name of owner of the station to which the

call letters are awarded. Within these limitations radio inspectors will use their discretion in the award of calls, avoiding, of course, duplications.

(d) When a station is abandoned and the license canceled, or if a license shall be forfeited for violation of law, the call assigned to it

may be allotted to another station.

(e) When the entire 598 calls have been exhausted, radio inspectors will issue additional calls, consisting of the figure of the district followed by three letters. From such combinations will be excluded the combinations SOS and PRB, all three-letter combinations beginning with QR or QS, all combinations involving the repetition of the same letter three times, three-letter combinations beginning with K, N, W, X, Y, Z, and other combinations, which, for various reasons, international, national, local, or individual, may be objectionable. With such exclusions, over 10,000 calls will remain for each district.

LIMITED COMMERCIAL STATIONS.

5. Calls for limited commercial land stations are allotted by the Bureau of Navigation.

SPECIAL CLASSES OF STATIONS.

6. Calls for special classes of stations, such as experiment stations for the development of radio communication, technical and training school stations, and special amateur stations are allotted by the Bureau of Navigation.

The call will consist of three items—the number of the radio district, followed by two letters of the alphabet. The first letter will be: X, for experiment stations; Y, technical and training schools; Z, special amateur stations.

Twenty-six different combinations for each class in each district are possible. If more should prove necessary for any class in any district, a third letter will be added to the call.

RADIO STATIONS OF THE WORLD.

The International List of Radio Stations of the World (edition in English) can be procured from the International Bureau of the Telegraphic Union (Radiotelegraphic Service), Berne, Switzerland.

In addition to the information contained in the list of the United States stations, published by the Bureau of Navigation, the international list shows geographical locations, normal ranges in nautical miles, radio systems, and rates.

The international list includes the Government and commercial land and ship stations of the United States. The list is divided into

The first part contains a list of ship stations, grouped by countries and arranged alphabetically; the second part contains a list of land stations arranged in the same manner; and the third part contains tables of land line and cable charges from coast radio stations to inland and various other points. In computing the total word rate applicable to a radiogram from a ship station to an inland point, or vice versa, the three rates must be added. in the international list are stated in francs and centimes. approximate purposes, 1 franc equals 20 cents and 5 centimes equal 1 cent. Supplements to the international list will be issued monthly, and will contain new stations and tables of alterations. A copy of the international list should be in every land and ship station open to commercial business as the official tariff book, and a copy of this list is required as a part of the equipment of every land station open to general public service and every ship station of the first or second class on American vessels engaged in foreign trade or the transoceanic service.

The International Alphabetical List of Call Letters (stations of the world) is also issued by the International Bureau at Berne, and supplements are issued monthly.

Neither the international list nor the supplements contain a list of amateur stations.

Inquiries as to the subscription prices of these lists should be made direct to the Berne bureau at the address given above. Remittances to Berne should be made by international postal money orders.

E. T. CHAMBERLAIN, Commissioner of Navigation.

Approved:

A. L. Thurman, Acting Secretary.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

[This list includes Government and commercial land stations only.]

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
Akron, Ohio	woi	300, 600, 2070.	PR	8 s. m. to	Goodyear Tire & Rubber Co.
Akutan, Alaska	KMW	300, 525, 600	PR	4.30 p. m. X	North Pacific Sea. Products Co.
Albina, Oreg. See Portland, Oreg. (KGN).					Troducts co.
Alockanok River,	KML	300, 500, 600	P	x	North Alaska Sal- mon Co.
Anchorage, Alaska	NZY	300, <i>600</i> , 750, 1000.	0	x	Alaska Engineering Commission.
Anderson (steam- ship), Fort Mon- roe, Va.	WZM		0		U. S. Army.
Annapolis, Md	NAK		0	8 a. m. to 10 p. m.	U. S. Navy.
Arlington, Radio, Va. See Washington, D. C.				- P	
Ashtabula, Ohio	WSA	300, 550, 600	PG	(1)	Marconi Co.
Astoria, Oreg	KPC	300, <i>600</i> , 1800 3100, 3800.	{ PG PR	} N	Marconi Co.
Avalon, Cal	KPI	300, 530, 600	PR	7 a. m. to	Marconi Co.
Dalbas Damana	NPJ	600	DC.	8 p. m.	TT G Masses
Baltimore, Md	WBS	600 300, 550, 600	PG PG	6 a. m. to	U. S. Navy. Marconi Co.
Beaufort, N. C Belmar, N. J	NAN WII		0	midnight. N	U. S. Navy. Marconi Co.
Benton Harbor, Mich.	wiż	300, 500, 600	PR	X	Graham & Morton Transp. Co.
Binghamton, N. Y	WBT	1610	PR	x	D., L. & W. R. R.
Bolinas, Cal	KET	6100	PR	N	Marconi Co.
Boston, Mass	WCH	300, 600, 1610, 2000, 2400, 2800.	P	X	Nat. Elec. Signal- ing Co.
Boston, Mass Boston, Mass Bremerton, Wash. See Puget Sound.	WBF NAD	300, 600	PG O	N N	Marconi Co. U. S. Navy.
Brooklyn, N. Y	WCG	300, 550, 600, 1650, 2600.	{ PG PR) (2)	Nat. Elec. Signal- ing Co.
Brooks, Alaska	KIZ	300, 600			Alaska Wireless Telegraph Co.
Brownsville, Tex Buckroe (steam-ship), Fort Monroe, Va.	WUZ WZL	1000	0	X	U. S. Army. U. S. Army.

¹ 7.30 a. m. to 11.30 a. m.; 12.30 p. m. to 5 p. m.

(11)

² 4 a. m. to 8 a. m.; 5 p. m. to 9 p. m.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS-Continued.

				7	1
Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
Buffalo, N. Y	WBL	300, 500, 600	PG	(1)	Marconi Co.
Burrwood, La	WBW	300, 600, 2200.	PG PR) (2)	Tropical Radio Telegraph Co.
Calumet, Mich	WCM	300, 500, 600	`PG	(2)	Marconi Co.
Canton, Ohio Cape Blanco, Oreg	WQP NPF	600	P	(8) X N	Henry L. Ley. U. S. Navy.
Cape Cod, Mass. See North Truro, Mass.	1111				o. S. Mary.
Cape Hatteras (Buxton), N. C.	WHA	300, 550, 600	PG PR	} N	Marconi Co.
Cape May, N. J	WCY	300, 550, 600	` PG	N	Marconi Co.
Cape St. Elias, Alaska.	NLQ	600, 800, 1000, 1200.	PG	X	U. S. Bureau of Lighthouses.
Cavite, P. I Charleston, S. C	NPO		0	N N	U. S. Navy.
	NAO	600	PG PG	15	U. S. Navy.
Chicago, Ill	WGO	300, 500, 600	PR) (*) X	Marconi Co.
Chignik, Alaska	кнс	300, 500, 600, 1610.	PR	A	Alaska Packers' Association.
Circle City, Alaska Clarks Point, Alaska.	WVA KHG	600, 1400 300, 400, 500,	O PR	x	U. S. Army. Alaska Packers'
		600.			Association.
Cleveland, Ohio Colon, Panama	WCX NAX	300, 500, 600	PG PG	(5)	Marconi Co. U. S. Navy.
Colorado Springs,	KIY	300, 425	PŘ	x	Herbert C. Col- burn.
Conneaut Harbor, Ohio.	WEV	300, 475, 540, 600.	PR	X	Marquette & Bessemer Dock & Nav. Co.
Cordova, Alaska Corregidor Isld., P.I. See Fort Mills.	NPA	600	PG	N	U. S. Navy.
Cuyo, P. I	WVX	600, 1200	PG	7 a. m. to	Insular Govt., Phil- ippine Islds.
Daly City, Cal. See Hillcrest.	٠			6.15 p. m.	ippine lada.
Darien, Panama Davao, Mindanao	NBA WVO	600, 1200	O PG	N 7 a. m. to	U. S. Navy. U. S. Army.
_ Isld., P. I.		İ		6 p. m.	
Davenport, Iowa	WPT	500	PR	. X	Western Flour Mill Co.
Denver, Colo Detroit, Mich. (WDR). See River	KIX	300, 575	PR	X	William H. Smith.
Rouge, Mich. Detroit, Mich	WOK	300, 600, 2160.	PR	8.30 a. m. to 4.30	Goodyear Tire & Rubber Co.
Diamond Shoals Lightship (off Cape Hatteras, N. C.).	NLB		0	p. m. 6 a. m. to 10 p. m.	U. S. Navy.
D., L. & W. R. R. limited train.	WBI		• • • • •		D., L. & W. R. R. Co.

¹ Apr. 15 to June 2 and Sept. 16 to Dec. 15: 1 a. m. to 7 a. m.; 7 p. m. to midnight. June 3 to Sept. 16: 1 a. m. to 6 a. m.; 7 s. m. to noon; 1 p. m. to 6 p. m.; 7 p. m. to midnight.

² 7 a. m. to 7.05 a. m.; 9 a. m. to 9.05 a. m.; 11 a. m. to 11.05 a. m.; 2 p. m. to 2.05 p. m.; 4 p. m. to 4.05 p. m.; 7 p. m. to 7.05 p. m.

² 2 a. m. to 7 a. m.; 8 a. m. to 1 p. m.; 2 p. m. to 7 p. m.; 8 p. m. to 1 a. m.

⁴ 12.30 p. m. to 7 p. m.; 8 p. m. to 11.30 p. m.; 12.30 a. m. to 7 a. m.; 8 a. m. to 11.30 a. m.; when lake is open to navigation.

⁵ 9 a. m. to noon; 12.30 p. m. to 8 p. m.; 9 p. m. to 11 p. m.; 12 midnight to 8 a. m.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS-Continued.

Station.	Call signal.	Wave lengths.	Serv-	Hours of operation.	Station controlled by—
Douglas, Ariz	KDC	300, 600	P	(1)	Copper Queen Consolidated
Dover, N. J	WBX				Mining Co. D., L. & W. R. R. Co.
Duluth, Minn Dutch Harbor, Alaska.	WDM NPR	300, 500, 600 600	PG PG	(2) N	Marconi Co. U. S. Navy.
East San Pedro, Cal	KPJ	300, 500, 600	PR PG) N	Marconi Co.
Egegak, Alaska	KMF	300, 500, 600	PR	' x	North Alaska Sal- mon Co.
Ensenada, P. R	WPR	300, <i>600</i> , 1610.	{ PR PG	} (3)	Guanica Centrale.
Eureka, Cal Eureka, Cal	KPM NPW	300, 600 600	PG PG	N (A)	Marconi Co. U. S. Navy.
Fairbanks, Alaska	WVB NPI	600, 1400	PG O	N	U. S. Army. U. S. Navy.
Farallons, Cal Fire Island, N. Y	NAG		0	Ň	U. S. Navy.
Fort Adams, R. I	WUU	1200	0	6 a. m. to 10 p. m.	U. S. Army.
Fort Andrews, Mass.	WUA		0	6 a. m. to 10 p. m.	U. S. Army.
Fort Barrancas, Fla.	WZD	1200	0	6 a. m. to 10 p. m.	U. S. Army.
Fort Caswell, N. C	WUT	825	0	6 a. m. to 10 p. m.	U. S. Army.
Fort Constitution, N. H.	WZE	825	0	6 a. m. to 10 p. m.	U. S. Army.
Fort Crockett, Tex.	WUX	1200	0	6 a. m. to	U. S. Army.
Fort Dade, Fla	WZK	825	o	10 p. m. 6 a. m. to 10 p. m.	U. S. Army.
Fort De Russy, Honolulu, Hawaii.	WZG		0	6 a. m. to 10 p. m.	U. S. Army.
Fort Drum, El Fraile Isld., Manila Bay, P. I.	WVP		0	6 a. m. to 10 p. m.	U. S. Army.
Fort Egbert, Alaska. Fort Frank, Carabao Isld., Manila Bay, P. I.	WVC	600, 1400	0	6 a. m. to 10 p. m.	U. S. Army. U. S. Army.
Fort Gibbon, Alaska. Fort Hancock, N. J.	WVD WUB	1600, 2000	0	8 a. m. to	U. S. Army. U. S. Army.
Fort H. G. Wright, N. Y.	WUC		0	10 p. m. 6 a. m. to	U. S. Army.
Fort Howard, Md	WZB	1200	0	10 p. m. 6 a. m. to	U. S. Army.
Fort Hughes, Caballo Isld., Manila Bay, P. I.	WVM		0	10 p. m. 6 a. m. to 10 p. m.	U. S. Army.
Fort Leavenworth, Kans.	WUD	1800	0	, , , , , ,	U. S. Army.
Fort Leavenworth, Kans. (Army Sig- nal School).	wuv		0		U. S. Army.

 ^{1 10} a. m. to 11 a. m.; 4 p. m. to 5 p. m.
 2 1 a. m. to 7 a. m.; 8 a. m. to noon; 1 p. m. to 7 p. m.; 8 p. m. to midnight
 3 Week days, 8 a. m. to noon; 2 p. m. to 5 p. m.; Sundays, 9 a. m. to noon.
 4 8.30 a. m. to 6 p. m.; 7.30 p. m. to 5 a. m.

14

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS-Continued.

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Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by-
Fort Levett, Me	WUE		0	6 a. m. to	U. S. Army.
Fort Mills, Corregidor Isld., Manila	WVN		PG	10 p. m. 6 a. m. to 10 p. m.	U. S. Army.
Harbor, P. I. Fort Mills, Corregi- der Islands, Ma- nila Bay, P. I.	wvz	600, 825	0	6 a. m. to 10 p. m.	U. S. Army.
Fort Monroe, Va	WUF		0	6 a. m. to 10 p. m.	U. S. Army.
Fort Monroe, Va. (Coast Artillery School).	WUG		0	6 a. m. to 10 p. m.	U. S. Army.
Fort Morgan, Ala	WFM	300, 445, 600	$\left\{ egin{array}{l} \mathbf{PR} \\ \mathbf{PG} \end{array} ight.$	} (¹)	Marconi Co.
Fort Morgan, Ala	WUR	1200	0	6 a. m. to 10 p. m.	U. S. Army.
Fort Moultrie, S. C	WZF	825	0	6 a. m. to 10 p. m.	U. S. Army.
Fort Rosecrans, Cal.	WUI WUS	1200	0	6 a. m. to	U. S. Army. U. S. Army.
Fort Sam Houston,	WUJ	650	0	10 p. m.	U. S. Army.
Tex. Fort San Jacinto, Tex.	WUY	1200	0	6 a. m. to	U. S. Army.
Fort Screven, Ga	WZA	1200	0	10 p. m. 6 a. m. to	U. S. Army.
Fort Stevens, Oreg	WUK		0	10 p. m. 6 a. m. to 10 p. m.	U. S. Army.
Fort St. Michael, Alaska.	WVE	600, 1200	PG	9 a. m. to 9 p. m.	U. S. Army.
Fort Terry, N. Y	wuw	1200	0	6 a. m. to 10 p. m.	U. S. Army.
Fort Totten, N. Y	WUL		0	6 a. m. to 10 p. m.	U. S. Army.
FortWhitman, Wash.	WZC	1200	0	6 a. m. to 10 p. m.	U. S. Army.
Fort Winfield Scott, Cal.	wuo		0	6 a. m. to 10 p. m.	U. S. Army.
Fort Wint, Grand Isld., Manila Bay, P. I.	WVR		0	6 a. m. to 10 p. m.	U. S. Army.
Fort Wm. McKinley, Luzon Isld., P. I.	wvQ	600	0		U. S. Army.
Fort Wood, N. Y Fort Worden, Wash	WUM WUN		O PG	6 a. m. to	U. S. Army. U. S. Army.
Frankfort, Mich Frying Pan Shoals Lightship(off Cape Fear, N. C.).	WFK NLC	300, 500, 600	PG O	10 p. m. (2) 6 a. m. to 10 p. m.	Marconi Co. U. S. Navy.

¹ For general public service, 7.10 a. m. to 7.20 a. m.; 7.40 a. m. to 7.50 a. m.; 8.10 a. m. to 8.20 a. m.; 8.00 a. m.; 9.10 a. m. to 9.20 a. m.; 9.40 a. m. to 9.50 a. m.; 10.10 a. m. to 10.20 a. m.; 10.40 a. m. to 10.50 a. m.; 11.10 a. m. to 11.20 a. m.; 11.40 a. m. to 11.50 a. m.; 12.10 p. m. to 12.20 p. m.; 2.10 p. m. to 2.20 p. m.; 2.40 p. m. to 2.50 p. m.; 3.10 p. m. to 3.20 p. m.; 3.40 p. m. to 3.50 p. m.; 6.10 p. m. to 4.20 p. m.; 5.00 p. m.; 5.40 p. m. to 8.20 p. m.; 6.10 p. m. to 8.20 p. m. For limited public service, 7 a. m. to 7.10 a. m.; 7.30 a. m. to 7.40 a. m.; 8 a. m. to 8.10 a. m.; 8.30 a. m. to 8.40 a. m.; 9 a. m. to 9.10 a. m.; 10 a. m. to 10.10 a. m.; 10.30 a. m. to 10.40 a. m.; 11 a. m. to 11.10 a. m.; 11.30 a. m. to 11.40 a. m.; 12 noon to 12.10 p. m.; 2 p. m. to 2.10 p. m.; 2.30 p. m. to 2.40 p. m.; 3 p. m. to 3.10 p. m.; 3.30 p. m. to 3.40 p. m.; 4 p. m. to 4.10 p. m.; 4.30 p. m. to 4.40 p. m.; 5 p. m. to 8.10 p. m.; 5.30 p. m. to 5.40 p. m.; 6 p. m. to 8.10 p. m.; 5 a. m. to noon; 1 p. m. to 7 p. m.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS-Continued.

			 	,	,
Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
Galveston, Tex	WGV	300, 500, 600	PG	(1)	Marconi Co.
Grand Haven, Mich.	WĞĦ	300, 500, 600	PĞ	(1) N	Marconi Co.
Great Lakes, Ill	NAJ	300, 600, 1000.	0	l A	U. S. Navy.
Guam, Marianne Islds.	NPN	300, 600	PG	Ñ	U. S. Navy.
Guantanamo Bay, Cuba.	NAW	800	PG	N	U. S. Navy.
Hales Creek, Alaska.	KMT	300, 600, 2000.	P	X	North Alaska Sal- mon Co.
Hatteras, N. C. See				ř	
Cape Hatterss. Heald Bank Lightship, off Galveston, Tex.	NLP	300, 600	0	8 a. m. to 10 p. m.	U. S. Navy.
Heeia Point, Hawaii.	KHX	300, <i>600</i> , 3000, 8000, 9300, 10600.	PG	N	Federal Telegraph Co.
Hillcrest, Cal	KPH	300, 530, 600	PG	N	Marconi Co.
Hoboken, N. J	WBU	2240	PŘ	N X X	Marconi Co.
Hollister, Cal Honolulu, Hawaii. See Pearl Harbor, Hawaii.	KGH	300, 600, 1650.	PR	X	Palmer B. Hewlett.
Iditarod, Alaska	KIV	500	PR	9 a. m. to	Alaska Wireless Tel-
Indianhead, Md	NBG	300, 600, 750	0	7 p. m. X	egraph Co. U. S. Navy.
Inglewood, Cal	KFZ	300, <i>600</i> , 3300, 4000.	PR	9 a. m. to 6 p. m.	Federal Telegraph Co.
Isle Royal, Mich	WRO	300, 600			Marconi Co.
Jackson ville, Fla Jolo, Jolo Isld., P. I.	WJX WVS	300, 450, 600, 600.	PG PG	(3) 7 a. m. to	Marconi Co. Insular Govt., Phil-
Jualin, Alaska	KJA	300, 500, 600,	PG	5.15 p. m.	ippine Islds. Marconi Co.
Juneau, Alaska	KDU	1980. 300, 600, 1800, 3100.	PG	N	Marconi Co.
Jupiter, Fla Kahuku, Hawaii. See Koko Head.	NAQ		0	N	U. S. Navy.
Kaunakakai, Hawaii	кно	300, 450, 600	PR	(⁵)	Mutual Telephone Co. (Ltd.).
Kawaihae, Hawaii	KHN	300, 575, 600	PR	(⁵)	Co. (Ltd.). Mutual Telephone Co. (Ltd.).
Ketchikan, Alaska	KPB	300, <i>600</i> , 1800, 3100.	PG	N	Marconi Co.
Key West, Fla	NAR	600	PG	N N X	U. S. Navy.
Kodiak, Alaska	NPS	600	PG	N	U. S. Navy.
Koggiung, Alaska	кнв	300, 400, 500, 600.	PR		Alaska Packers' Association.
Koggiung, Alaska	KVV	300, 450, 600	PG	6.30 p. m. to 9.30 p. m.	Alaska Fishermen's Packing Co.
Koko Head, Hawaii.	KHJ		PR		Marconi Co.
Koko Head, Hawaii.	KIE	6200	PR	N	Marconi Co.
Kotlik, Alaska	WVF	600	\mathbf{PG}	Ö X	U. S. Army.
Kvichák, Alaska	KMT	300, 600, 2000.	PR	X	North Alaska Sal- mon Co.

¹⁷ a. m. to 12 noon; 1 p. m. to 2 a. m.
27 a. m. to 11 a. m.; 8 p. m. to 11 p. m.
26 a. m. to 8 a. m.; 10 a. m. to 1 p. m.; 4 p. m. to 7 p. m.
48.30 a. m. to 8.46 a. m.; 1.30 p. m. to 1.45 p. m.; 7.30 p. m. to 7.45 p. m.
57 a. m. to noon; 1 p. m. to 5.30 p. m.
6 9 a. m. to 9 p. m. during season of navigation only.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS-Continued.

				1	
Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by-
Kvichak, Alaska	KML	300, 500, 600	P	x	North Alaska Sal- mon Co.
Lahaina, Hawaii	KHL	300, 575, 600	PR	(1)	Mutual Telephone Co. (Ltd.).
Larsen Bay, Alaska	KHA	300, 500, <i>600</i> , 1610.	PR	· X	Alaska Packers' Association.
Lents, Oreg Lihue, Hawaii	KFU KHM	300, 575, 600.	PR PR	(1)	Federal Tel. Co. Mutual Telephone Co. (Ltd.).
Los Angeles, Cal	KEX	300, 600	P	9 a. m. to 5 p. m.	Marconi Co.
Los Angeles, Cal	KLS	300, 600, 1800, 2800, 3250.	{ PG PR	4 a. m. to 10 p. m.	Federal Telegraph
Ludington, Mich Mackinac Island, Mich.	WLD WHQ	300, 500, 600 300, 500, 600	PG PG	(3)	Marconi Co. Marconi Co.
Malabang, Mindanao Isld., P. I. Manila, P. I	WVT	600, 1200	PG	7 a. m. to 7.30 p. m.	Insular Govt., Philippine Islds.
Manistique, Mich Manitowoc, Wis Mare Island, Cal. See San Francisco,	WVU WMX WMW	300, 500, 600 300, 500, 600	PG PG	(*)	U. S. Army. Marconi Co. Marconi Co.
Cal. Marshall, Cal. See Bolinas, Cal. Marshfield, Oreg	KPX	300, 600	PG	8 a. m. to	Marconi Co.
Metha Nelson (steam- ship), Bristol Bay,	кмр	300, 500, 600	PR	6 p. m.	Alaska Packers' Association.
Alaska. Miami, Fla Milwaukee, Wis	WST WME	300, 450, 600 300, 500, 600	PG PG	N (*)	Marconi Co Marconi Co.
Mobile, Ala	WMB	300, 445, 600	{ PG PR	(7)	Marconi Co.
Mount Vernon, Ohio Naknek, Alaska	WQV KHT	500 300, 500, <i>600</i> ,	P PR	XX	Bunyan J. Hyatt. Alaska Packers' As-
Naknek, Alaska	KMK	1610. 300, 500, 600	P	x	sociation. Naknek Packing Co.
Nantucket Shoals Lightship (off Newport, R. I.).	NLA		0	4 a. m. to midnight.	U. S. Navy.
Navassa Island, West Indies. New Brunswick, N. J. See Bel- mar, N. J.	WQN		••••		Snare & Triest Co.

Mar, N. J.

17 a. m. to noon; 1 p m. to 5.30 p. m.

27 a. m. to 11 a. m.; noon to 6 p. m.; 8 p. m. to 1 a. m.; 2 a. m. to 7 a. m.

*Sept. 16 to Oct. 1, and June 7 to June 30, sunset to sunrise; July 1 to Sept. 15, 7. a. m. to noon; 1 p. m. to 6 p. m.; 7 p. m. to 12 p. m.; 1 a. m. to 6 a. m.

*Sa. m. to 11 a. m.; 2 p. m. to 5 p. m.; 7 p. m. to 9 p. m.

*Sa. m. to 11 a. m.; 2 p. m. to 5 p. m.; 7 p. m. to 8 p. m.

*Sa. m. to 10 a. m.; 2.30 p. m. to 6 p. m.; 7.30 p. m. to 8.30 p. m.

*Sa. m. to 10 noon; 1 p. m. to 5 p. m.

*For general public service, 7.10 a. m. to 7.30 a. m.; 7.40 a. m. to 8 a. m.; 8.10 a. m. to 8.30 a. m.; 11.49 a. m. to 12 noon; 2.10 p. m. to 2.30 p. m.; 2.40 p. m. to 3 p. m.; 3.10 p. m. to 3.30 p. m.; 3.40 p. m. to 4 p. m.; 10 noon; 2.10 p. m. to 2.30 p. m.; 2.40 p. m. to 3 p. m.; 3.10 p. m. to 3.30 p. m.; 3.40 p. m. to 4 p. m.; 4.10 p. m. to 4.30 p. m.; 5.10 p. m. to 5.30 p. m.; 8.30 a. m. to 8.40 a. m.; 9 a. m. to 9.10 a. m.; 7.30 a. m. to 7.40 a. m.; 8 a. m. to 8.10 a. m.; 8.30 a. m. to 8.40 a. m.; 9 a. m. to 9.10 a. m.; 10 a. m. to 10.10 a. m.; 10.30 a. m. to 10.40 a. m.; 11 a. m. to 11.10 a. m.; 11.30 a. m. to 11.40 a. m.; 12 p. m. to 2.10 p. m.; 2.30 p. m. to 2.40 p. m.; 3 p. m. to 3.10 p. m.; 3.30 p. m. to 3.40 p. m.; 4 p. m. to 4.10 p. m.; 4.20 p. m. to 4.40 p. m.; 5 p. m. to 5.10 p. m.; 6.30 p. m. to 5.40 p. m.; 6.20 p. m.; 6.30 p. m.; 6.

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LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS-Continued.

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
New London, Conn New London, Conn	NRZ WLC	300, 600	¹ O PG	X 8 p. m. to 4 a. m.	U. S. C. G. T. A. Scott Co. (Inc.).
New Orleans, La	NAT		0	8 a. m. to 10 p. m.	U. S. Navy.
New Orleans, La	WHK	300, 600	PG P	(2)	Marconi Co.
New Orleans, La	WNU	300, <i>600</i> , 1800, 1850.	PR PG	N	Tropical Radio Telegraph Co.
Newport, R. I Newport, R. I	NAF WCI	300, 550, 600	PG	N 7 p. m. to 5 a. m.	U. S. Navy. Nat. Elec. Signal- ing Co.
New Prague, Minn	WPU	500	PR	X X	New Prague Flour Milling Co.
Newton, Mass	WLN	300, 600, 1650, 2000.	P	x	Ralph C. Emery.
New York, N. Y New York, N. Y New York, N. Y New York, N. Y	NAH WHB WHI WNT	300, 600, 1610. 300, 600 300, 600	O PG PG PG	N N N (³)	U. S. Navy. N. Y. Herald Co. Marconi Co. Atlantic Communication Co.
Nome, Alaska Norfolk, Va North Head, Wash North Truro, Mass Nulato, Alaska Nushagak, Alaska	WVG NAM NPE NAE WVH KMG	600, 2000	PG O PG O O PR	N N N N	U. S. Army. U. S. Navy. U. S. Navy. U. S. Navy. U. S. Army. North Alaska Sal-
Oakland, Cal Olongapo, P. I Passagrille, Fla Pearl Harbor, Ha-	KGI NPT WRG NPM	300, 500, 600	P O PG O	X N X N	mon Co. Ellery W. Stone. U. S. Navy. C. A. Brown. U. S. Navy.
waii. Peking, China Pensacola, Fla Petersburg, Alaska	NPP NAS WVI	600	O PG PG	N N 9 a. m. to 9 p. m.	U. S. Navy. U. S. Navy. U. S. Army.
Philadelphia, Pa	WHE	300, 600, 1650.	PG	9 a. m. to 5.30 p. m.	Marconi Co.
Philadelphia, Pa Phoenix, Ariz	NAI KHQ	3000, 3400	O PR	N 6 a. m. to 6 p. m.	U. S. Navy. Federal Telegraph Co.
Point Arguello, Cal Point Isabel, Tex Port Arthur, Tex	NPK NAY WRU	300, 600	PG PG	N (4)	U. S. Navy. U. S. Navy. Marconi Co.
Portland, Me	NAB		0	8 a. m. to 10 p. m. X	U. S. Navy.
Portland, Oreg	KGN	300, 600, 1700.	PR		Northwestern Elec- tric Co.
Portland, Oreg	KDP	200, 300, 425, 550, 600.	PR	X	Charles L. Austin.
Port Moller, Alaska	KWR	300, 450, <i>600</i> , 1610.	PG	6.30 p. m. to 9.30	Pacific - American Fisheries.
Port Royal, S. C Portsmouth, N. H	NAV NAC		0	p. m. N N	U. S. Navy. U. S. Navy.

This station will accept general public service in emergencies when open.
 7.05 a. m. to 8 a. m.; 10 a. m. to 10.25 a. m.; 10.45 a. m. to 10.55 a. m.; 1 p. m. to 1.20 p. m.; 3 p. m. to 4 p. m.; 5 p. m. to 5.30 p. m.; 6 p. m. to 8.30 p. m.; 8 p. m. to 8.55 p. m.; 10 p. m. to 11 p. m.
 9 a. m. to 5 p. m., except Sundays and holidays.
 46.30 a. m. to noon; 12.30 p. m. to 6 p. m.; 6.30 p. m. to 8.30 p. m.

54257°---16-----2

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS-Continued.

•					
Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by-
Providence, R. I Puerto Princesa, Paragua, P. I. Puget Sound, Wash	WPF WVV NPC	300, 425, 600 600, 1200	PR PG O	X 7 a. m. to 6 p. m. N	Dutee W. Flint. Insular Govt.,Phil- ippine Islds. U. S. Navy.
Relief Lightship No. 66 or No. 85.	NLD	300, 600	İ		U. S. Navy. U. S. Navy.
Relief Lightship No. 71 or No. 72.	NLE	300, 600			U. S. Navy.
Relief Lightship No. 94 or No. 53.	NLG	300, 600	1	37	U. S. Navy.
Rialto, Cal	KJR	300, 600, 1610.	PR (PG	X	Southern Califor- nia Edison Co.
River Rouge, Mich	WDR	300, 500, 600	PR	(¹)	Marconi Co.
Roche Harbor, Wash.	KRW	300, 600, 1800.	`PG	(2)	Tacoma & Roche Harbor Lime Co.
Sagaponack, N. Y San Diego, Cal	WSK KSD	300, 600	PG ∫PG	X)4 a. m. to	Marconi Co. Federal Telegraph
San Diego, Cal	NPL	2800. 600	\PR PG	8 p. m. N	Co. U. S. Navy.
San Francisco, Cal	NPH		0	Ñ	U. S. Navy.
San Francisco, Cal	KĘS	300, <i>600</i> , 1800, 3000, 3500.	$\left\{egin{array}{c} \mathbf{PR} \\ \mathbf{PG} \end{array}\right.$	7 a. m. to 7 p. m.	Federal Telegraph Co.
San Jose, Mindoro Isld., P. I.	WVY	600	`PG	7 a. m. to 6.15 p. m.	Insular Govt.,Philippine Islds.
San Juan, P. R San Pedro, Cal. See East San Pedro. Sault Ste. Marie,	NAU	600	PG	Ñ	U. S. Navy.
Mich Savannah, Ga	WSI WSV	450 300, 500, <i>600</i>	PG	6 a. m. to midnight.	Marconi Co. Marconi Co.
Sayville, N. Y	WSL	3900, 4700, 5200, 6300, 7800, 9400.	PR	N	(3)
Scranton, Pa	WTP				D., L. & W. R. R. Co.
Sea Gate, N. Y	WSE	300, 600	PG ∫PG	N N	Marconi Co.
Seattle, Wash	KPA	1700, 3100.	PR	N	Marconi Co. City of Seattle
Seattle, Wash	KPE	300, 525, 600	{ PG	(4)	(Harbor Dept.).
Siasconset, Mass Sitka, Alaska	WSC NPB	300, <i>600</i>	PG PG	N N	Marconi Co. U. S. Navy.
Snag Point, Alaska	KHF	300, 400, 500, 600.	PR	x	Alaska Packers' Association.
South San Francisco, Cal.	KSS	300, <i>600</i> , 1800, 5000, 8000, 10000,	PR PG	} N .	Federal Telegraph Co.
South Wellfleet, Mass.	WCC	300, 600, 2100:	`PG	X	Marconi Co.
St. Augustine, Fla St. George, Pribilof	NAP NPY	600	PG O	N X	U. S. Navy. U. S. Navy.
Islds., Alaska. St. Paul, Pribilof Islds., Alaska.	NPQ	600	PG	N	U. S. Navy.

 $^{^1}$ 7 a, m, to 11.30 a, m.; 12.30 p, m, to 6 p, m.; 7 p, m, to 11 p, m.; 12 midnight to 6 a, m. 8 8 a, m, to 10 a, m.; 3 p, m, to 5 p, m.; 8 p, m, to 10 p, m, 8 3 Station owned by Atlantic Communication Co. and operated temporarily by the U. S. Navy. 4 8 a, m. to noon; 1 p, m. to 5 p, m.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS-Continued.

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
St. Petersburg, Fla. Tampa, Fla	WIX WPD	300, 395, 600 300, 510, 600	PR PG	(1) (2) N	C. C. Brown. Marconi Co.
Tatoosh, Wash Teller, Alaska	NPD KWT	600	PG PR	'n	U. S. Navy. Max R. Hirsch-
Tuckerton, N. J	WGG	8600	PR	N	berg. (3)
Tutuila, Samoa Ugashik, Alaska	NPU KMU	600 300, 500, <i>600</i>	PG PR	x	U. S. Navy. Red Salmon Can-
Underwood, Wash	KGO	300, 600, 1700.	PR	x	ning Co. Northwestern Elec. Co.
Victor, Colo	KIW	575	PR	(4)	Ajax Gold Mining
Virginia Beach, Va	WSY	300, 550, 600	PG	N N	Marconi Co. Mutual Telephone
Wahiawa, Hawaii Washington, D. C.	KHK NAA	300, 575, 600	{ PG PR O	} N	Co. (Ltd.). U. S. Navy.
(Arlington). Washington, D. C.	NAL		0	N	U. S. Navy.
(Navy Yard). Washington, D. C. (Capitol).	NZW	250, 650, 1000.	О	x	Supt. U. S. Capi- tol Building and
Washington, D. C. (Army Signal	WUP		o		Grounds. U. S. Army.
Corps Laboratory). Washington, D. C. (Bureau of Stand-	WUQ		o		U. S. Army.
ards). Wrangell, Alaska	WVJ	300, 600	PG	9 a. m. to 9 p. m.	U. S. Army.
Yerba Buena, Cal Zamboanga, Minda- nao Isld., P. I.	NPG WVW	600, 1200	O PG	N 7 a. m. to 7.30 p. m.	U. S. Navy. Insular Govt., Phil- ippine Islds.
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¹⁸ a. m. to 11 a. m.; 1 p. m. to 5 p. m.; 7.30 p. m. to 8 p. m.
26 a. m. to 8 a. m.; 10 a. m. to 1 p. m.; 4 p. m. to 7 p. m.
3 Station owned by Atlantic Communication Co. and operated temporarily by the U. S. Navy.
49 a. m. to 11.30 a. m.; 7.30 p. m. to 11 p. m.

[This list includes stations on Government vessels, merchant vessels, and yachts.]

Vessel.	Call signal.	Wave lengths.	Serv-	Owner of vessel (line).	Station controlled by—
Abangarez	KDI	300, 600	PG	Abangarez S. S. Corp.	Tropical Ra- dio Tele-
Abarenda	NOB	600	PG	Government	graph Co. U. S. Navy.
Achilles	\mathbf{KPT}	300, 600		Maryland Steel Co	1
Acme	KIJ	300, 600	PG	Standard Transp. Co.	Marconi Co,
Acushnet	NRU	300,600	PG	Government	U. S. C. G.
Adeline Smith	WHS	300, 600	PG	Inter-Ocean Transp.	· Marconi Co.
Admiral Dewey	WAY	300, 600	PG	Co. Pacific-Alaska Nav. Co.	Vessel owner.
Admiral Evans	WAB	300, 600	PG	do	Vessel owner.
Admiral Farragut	WAF	300, 600	PG'	do	Vessel owner.
Admiral Schley	WAZ	300, 600	PĞ	do	Vessel owner.
Admiral Watson	WAW	300, 450,	PĞ	do	Vessel owner.
rummar wasson	******	550, <i>600</i> .			V Casci Owner.
Advance	KMV	300, 450, 550, 600.	PG	Panama R. R. Co	Vessel owner.
Ajax	NBH	300, 600	PG	Government	U. S. Navy.
Alabama	WFB	300, 600	PĞ	Goodrich Transit Co.	Marconi Co.
Alabama	KUN	300, 600	PĞ	The Texas Co	Marconi Co.
	NBI		PĞ	Government	
Alabama		300, 600			U. S. Navy.
Alamance	WKZ	300, 450, 600.	PG	Garland S. S. Corp	Vessel owner.
Alameda	WAA	300,600	PG	Alaska S. S. Co	Vessel owner.
Alamo	KEJ	300, 600	PG	Mallory S. S. Co	Marconi Co.
Alaska	wws	300, 435,	PĞ	Alaska S. S. Co	Vessel owner.
		540, 600.			
Alaskan	WKA	300, 600	PG	American - Hawaiian S. S. Co.	Vessel owner.
Albany	NBJ	300,600	PG	Government	U. S. Navy.
Albatross	NQY	300, 600	PĞ	do	U. S. Navy.
Alberta	KŽĀ	300, 600,	PĞ	F. G. Bourne	Marconi Co.
AIDEIWA	ILLA	1800.	10	T. G. Domine	Marcon co.
Alert	NBL	300, 600	PG	Government	U. S. Navy.
Algonquin	KVG	300,600	PG	Clyde S. S. Co	Marconi Co.
Algonquin	NRA	300, 600	PG	Government	U. S. C. G.
Alicia	KZB	300,600	PĞ	Alfred I. du Pont	Vessel owner.
Al-Ki	WNK	300, 600	PĞ	Border Line Transp.	Marconi Co.
Alliança	KMA	300, 450,	PG	Co. Panama R. R. Co	Vessel owner.
A 11:	wrv	600.	PG	North Dorigo C C	Managari Co
Alliance	WKV	300,600	ru	North Pacific S. S. Co.	Marconi Co.
Almirante	KLD	300, 600	PG	Almirante S. S. Corp.	Tropical Ra- dio Tele-
	~~~		~	1	graph Co.
Aloha	KYH	300, 450, 600.	PG	Arthur Curtiss James.	Vessel owner.
Alvina	WEY	300, 600	P	Thomas F. Cole	Vessel owner.
Amazonia	KOO	300, 450,	PG	R. Lawrence Smith,	Marconi Co.
		600.		(Inc).	

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line)	Station controlled by—
American	WKF	300, 600	PG	American -Hawaiian S. S. Co.	Vessel owner
Ammen	NBP	300,600	PG	Government	U. S. Navy.
Amphitrite	NHG	300,600		do	U. S. Navy.
Ancon	KMS	300, 400, 600.	PG	Panama R. R. Co	Vessel owner.
Androscoggin	NRD	300,600	PG	Government	U. S. C. G.
Annapolis	NBR	300,600	PG	do	U. S. Navy.
Ann Arbor No. 3	WDN	300,600	PG	Ann Arbor R. R. Co.	Marconi Co.
Ann Arbor No. 4	WDO	300,600	PG	do	Marconi Co.
Ann Arbor No. 5	WDP	300,600	PG	do	Marconi Co.
Anne W	WMU	300,600		Hosford Transp. Co	
Antilla	KWD	300, 450, 600.	PG	New York & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Antilles	KKA	300, 450, 600.	PG	Southern Pacific Co	Marconi Co.
Apache	KVA	300, 450, 600.	PG	Clyde S. S. Co	Marconi Co.
Apache	NRP	300,600	PG	Government	U. S. C. G.
Arapahoe	KVB	300, 450, 600.	PG	Clyde S. S. Co	Marconi Co.
Arborean	WLS	300, 450, 600.	PG	American -Hawaiian S. S. Co.	Marconi Co.
Ardmore	KIA	300,600	PG	Standard Oil Co. of N. J.	Marconi Co.
Arethusa	NBU	600	PG	Government	U. S. Navy.
Argyll	WTB	300, <i>600</i> , 1800.	PG	Union S. S. Co. (Union Oil Co.).	Federal Tele- graph Co.
Arizona	WFG	300,600	PG	Goodrich Transit Co.	Marconi Co.
Arizonan	WKB	300, 600	PG	American -Hawaiian S. S. Co.	Vessel owner.
Arkansas	NBV	300,600	PG	Government	U. S. Navy.
Aroline	WRJ	300, 600	PG	Pacific-Alaska Nav.	Marconi Co.
Artisan	WKW	300, 450, 600.	PG	American -Hawaiian S. S. Co.	Marconi Co.
Ashtabula	WEZ	300,600	PG	Pennsylvania & On- tario Nav. Co.	Marconi Co.
Astral	KIQ	300, 450, 600.	PG	Standard Transporta- tion Co.	Marconi Co.
Asuncion	WTX	300, 600	PG	Standard Oil Co. of Cal.	Marconi Co.
Atenas	KDK	300,600	PG	Atenas S. S. Corp	Tropical Radio Tele- graph Co.
Atlanta	KGR	300,600		Cuba Improvement & S. S. Co.	Vessel owner.
Atlantic	KIK	300,600	PG	New York Interocean & Coastwise S. S. Co.	Marconi Co.
Atlas	WTT	300, 450, 600.	PG	Standard Oil Co. of Cal.	Marconi Co.
Aylwin	NIH	300, 600	PG	Government	U. S. Navy. U. S. Dept. of Labor.
Aztec	KZC			A. C. Burrage	
Aztec	WWQ	300, 600	PG	Pacific Mail S. S. Co.	Marconi Co.
Bache	NLK	300, 400,	0	Government	U.S. Dept. of
		600.			Commerce.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Bacoi	KJU	300, 450, 600.	PG	Standard Oil Co. of N. J.	Marconi Co.
Bailey	NCF	300, 600	PG	Government	U. S. Navy.
Bainbridge	NIA	300, 600	PG	do	U. S. Navy.
Balch	NII	300, 600	PG	do	U. S. Navy.
Baltimore	NCH	300,600	PG	do	U. S. Navy.
Bantu	KLM	300, 600	PG	U. S. Steel Products Co.	Marconi Co.
Baton Rouge	KSG	300, 600	PG	Standard Oil Co. of N. J.	Vessel owner.
Bayamon	KDX	300,600	PG	Vacuum Oil Co	Marconi Co.
Bay State	KRE	300,600	PG	Eastern S. S. Corp	Marconi Co.
Bayway	KSR	300, 600	PG	Standard Oil Co. of N. J.	Vessel owner.
Beale	NCL	300,600	PG	Government	U. S. Navy.
Bear	NRB	300,600	PG	do	U. S. C. G.
Beaver	WWB	300,600	PĞ	San Francisco & Port-	Marconi Co.
Deaver	W W D	300,000	1 4	land S. S. Co.	marcom co.
Dolfort	KRD	200 600	PG		Manaoni Co
Belfast Benham	NIJ	300,600	PG	Eastern S. S. Corp	Marconi Co.
Berkshire		300, 600	PG	Government	U. S. Navy.
Derksnire	KQB	300, 600		Merchants & Miners Transp. Co.	
Berlin	WRB	300, 600	PG	Alaska - Portland Packers' Assn.	Marconi Co.
Beverly	KND	300, 600	PG	Colonial Nav. Co	Nat. Elec. Sig- naling Co.
Birmingham	NCN	300, 600	PG	Government	U. S. Navy.
Boston	KXA	300, 550,	PG	New England S. S.	Nat. Elec. Sig-
		600.		Co.	naling Co.
Brabant	KUU	300, 450, 600.	PG	The Texas Co	Marconi Co.
Bradford	KNG	300, 450, 600.	PG	Standard Oil Co. of N. J.	Marconi Co.
Bramell Point	KRO	300,600	PG	Vacuum Oil Co	Marconi Co.
Brazos	KEZ	300, 600	PĞ	Mallory S. S. Co	Marconi Co.
Breakwater	WBK	300, 600	PG	Southern Pacific Co	Marconi Co.
Brilliant	KTI	300, 600	PG	Standard Transporta-	Marconi Co.
Brindilla	KTZ	300, 600	PG	tion Co. Standard Oil Co. of N. J.	Marconi Co.
Brockton	KNH	300, 600	PG	Colonial Nav. Co	Nat. Elec. Sig- naling Co.
Brooklyn	NFA	300,600	PG	Government	U. S. Navy.
Brunswick	KOS	300, 600	PG	Gulf & Southern S. S. Co.	Marconi Co.
Brutus	NNA	300, 600	PG	Government	U. S. Navy.
Buccaneer	KFO	300,600	- 4	Freeport & Tampico	Marconi Co.
Duccaneer	KIO	300,000	•••••• 	Fuel Oil Transp.	marcom co.
Buenaventura	KWA	300, 600	PG	U. S. Steel Products Co.	Marconi Co.
Buffalo	NCU	300, 600	PG	Government	U. S. Navy.
Buford	WXA	600	PĞ	do	U. S. Army.
Bunker Hill	KJB	300,600	PĞ	Eastern S. S. Corp	Marconi Co.
Burnside	WXR	600	ō	Government	U. S. Army.
Burrows	NCV	300, 600	PG		U. S. Navy.
Cabrillo	ŴВV	300, 500,	PĞ	Wilmington Transp.	Marconi Co.
0 1 Came-13	******	600.	10/1	Co.	Managai Ca
C. A. Canfield Cacique	WIH WBE	300, 600 300, 600	PG	W. R. Grace & Co	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Caddo	KSK	300, 450, 600.	PG	Standard Oil Co. of N. J.	Marconi Co.
Caesar Calamares	NCY KLC	300, 600 300, 600	PG PG	Government Calamares S. S. Corp.	U. S. Navy. Tropical Ra- dio Tele- graph Co.
CaliforniaCaliforniaCaliforniaCaliforniaCalifornian	KYQ NCZ WOR WKC	300, 600 300, 600 300, 600 300, 600	PG PG PG PG	Mrs. Clara B. Stocker Government John A. Hooper American - Hawaiian	U. S. Navy. Marconi Co. Vessel owner.
Caloria	KSP	300, 600	PG	Standard Off Co. of N. J.	Marconi Co.
Calvin Austin Camaguey	KRN KWI	30 <b>0,</b> 600 300, 450, 600.	PG PG	Eastern S. S. Corp New York & Cuba Mail S. S. Co. (Ward Line).	Marconi Co. Marconi Co.
Camden Camino Campana	KRC WQC KOM	300, 600 300, 600 300, 450, 600.	PG PG PG	Eastern S. S. Corp Barber & Co Standard Oil Co. of N. J.	Marconi Co. Marconi Co. Marconi Co.
Cape Cod Captain A. F. Lucas	KPW WTV	300, 600 300, 450,	PG PG	F. H. Ely Standard Oil Co. of Cal.	Marconi Co. Marconi Co.
Captain A. M. Wetherill.	WYT	400	o	Government	U. S. Army.
Captain Gregory Barrett.	WYP	400	0	do	U. S. Army.
Captain Chas. W. Rowell.	WYI	400	0	do	U. S. Army.
Captain James Fornance.	WYM	400	0	do	U. S. Army.
Captain T. M. Mor-	WYZ	1200	0	do	U. S. Army.
Caracas	KDB	300, 600	PG	Atlantic & Carribean Steam Nav. Co. (Red D Line).	Marconi Co.
Carlos	WNC	300, 600	PG	Olson & Mahony S. S.	Vessel owner.
Carolina	WFE KGB	300, 600 300, 450, 600.	PG PG	Goodrich Transit Co. New York & Porto Rico S. S. Co.	Marconi Co. Marconi Co.
Carolinian	KJF	300, 600	PG	Export Leaf Tobacco	Marconi Co.
Carrillo	KDE	300, 600	PG	Carrillo S. S. Corp	Tropical Radio Telegraph Co.
Cartago	KDD	300, 600	PG	Cartago S. S. Corp	Tropical Radio Telegraph Co.
Cassin	KYE NIK NDA	300, 600 300, 600	PG PG	Edw. L. Doheny Governmentdo	U. S. Navy. U. S. Navy.
Catania	WTI	300, 450, 600.	PG	Huasteca Petroleum Co.	Marconi Co.
CeliloCelticCentraliaChalmette	WMF NDB WSN KKC	300, 600 300, 600 300, 600	PG PG PG	Celilo S. S. Co Government Centralia Co	Marconi Co. U. S. Navy. Marconi Co.
OHBILITOUG	MAC	300, 450, 600.	ru	Southern Pacific Co	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Y	Call	Wave	Serv-	O	Station controlled
Vessel.	signal.	lengths.	ice.	Owner of vessel (line).	by
Charles E. Harwood Charles Pratt	WID KSQ	300, 600 300, 450, 600.	PG PG	Petroleum Transp. Co Standard Oil Co. of N. J.	Marconi Co. Marconi Co.
Charleston Charlton Hall	NFE KLU,	300, 600 300, 600	PG PG	Government U. S. Steel Products Co.	U. S. Navy. Marconi Co.
Chattanooga Cherokee	NGI KVK NDG	300, 600 300, 600	PG PG PG	Government	U. S. Navy. Marconi Co. U. S. Navy.
Chester W. Chapin.		300, 550, 600.	PĞ	New England S. S. Co.	Nat. Elec.Sig- naling Co.
Cheyenne	NDH WAC	300, 600 300, 600	PG PG	Booth Fisheries Co.	U. S. Navy. Vessel owner.
Chicago	WFI NDI	300, 600	PG PG	Goodrich Transit Co. Government	Marconi Co. U. S. Navy.
Christopher Columbus.	WWA WFJ	300, 600	PG PG	China Mail S. S. Co Goodrich Transit Co	Marconi Co. Marconi Co.
City of Alpena II.	NDL WEH	300, 600 300, 450, 500, 600.	PG PG	Detroit & Cleveland Nav. Co.	U. S. Navy. Vessel owner.
City of Atlanta	KFB	300, 450, 600.	PG	Ocean S. S. Co. (Savannah Line).	Marconi Co.
City of Augusta	KFJ	300, 450, 600.	PG	Ocean S. S. Co. (Savannah Line).	Marconi Co.
City of Bangor City of Benton Harbor.	KRH WDV	300, 600 300, 600	PG PG	Graham & Morton Transp. Co.	Marconi Co. Marconi Co.
City of Buffalo	WFQ	300, 600	PG	Cleveland & Buffalo Transit Co.	Marconi Co.
City of Cleveland III.	WEA	300, 600	PG	Detroit & Cleveland Nav. Co.	Marconi Co.
City of Columbus	KFA	300, 450, 600.	PG	Ocean S. S. Co. (Savannah Line).	Marconi Co.
City of Detroit II	WEC	300, 450, 500, 600.	PG	Detroit & Cleveland Nav. Co.	Vesselowner.
City of Detroit III City of Erie	$\begin{array}{c} \mathrm{WEF} \\ \mathrm{WFP} \end{array}$	300, 600	PG PG	Cleveland & Buffalo Transit Co.	Marconi Co. Marconi Co.
City of Everett	KTQ	300, 600	PG	Standard Oil Co. of N. Y.	Atlantic Com- munication Co.
City of Grand Rapids.	WDS	300, 600	PG	Graham & Morton Transp. Co.	Marconi Co.
City of Lowell	KXB	300, 550, 600.	PG	New England S. S. Co.	Nat. Elec.Sig- naling Co.
City of Mackinac II.	WEB	300, 450, 500, <i>600</i> .	PG	Detroit & Cleveland Nav. Co.	Vessel owner.
City of Memphis	KFD	300, 600	PG	Ocean S. S. Co. (Savannah Line).	Marconi Co.
City of Montgom- ery.	KFY	300, 450, 600.	PG	do	Marconi Co.
City of Para City of Puebla	$\begin{array}{c} \mathbf{WWF} \\ \mathbf{WGQ} \end{array}$	300, 600 300, 600	PG PG	Pacific Mail S. S. Co. Pacific Coast Co	Marconi Co. Marconi Co.
City of Rockland City of St. Ignace	KRI WEG	300, 600 300, 450	PĞ PG	Eastern S. S. Corp Detroit & Cleveland	Marconi Co. Vessel owner.
City of St. Joseph	WDT	500, 600 300, 600	PG	Nav. Co. Graham & Morton	Marconi Co.
!		l	l	Transp. Co.	I

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
City of St. Louis	KFX	300, 600	PG	Ocean S. S. Co. (Savannah Line).	Marconi Co.
City of Savannah	KFK	300, 450,	PG	do	Marconi Co.
City of Seattle City of South Haven.	WGA WDI	300, 600 300, 600	PG PG	Pacific Coast S. S. Co. Chicago & South Ha- ven S. S. Co.	Marconi Co. Marconi Co.
City of Sydney City of Taunton	WWG KXL	300, 600 300, 450, 500,550,	PG PG	New England S. S.	Nat. Elec.Sig- naling Co.
City of Topeka Cleveland	WGY NDM	600. 300, 600 300, 600	PG PG	Pacific Coast Co Government	Marconi Co. U. S. Navy.
Clincher Coalinga	KMC WOT	300, 600 300, 600, 1800.	PG	Clinchfield Nav. Co Union S. S. Co	Federal Tele- graph Co.
Coamo	KGA	300, 450, 600.	PG	New York & Porto Rico S. S. Co.	Marconi Co.
Col. E. L. Drake	WTS	300, 450, 600.	PG	Standard Oil Co. of Cal.	Marconi Co.
Col. Geo. Armistead.	WYG	600	O	Government	U. S. Army.
Colombia Colon	WBH KMX	300, 600 300, 450,	PG	Pacific Mail S. S. Co Panama R. R. Co	Vessel owner.
Colorado Columbia	NDN NGA	600. 300, 600 300, 600	PG PG	Governmentdo	U. S. Navy. U. S. Navy.
Columbia Columbian	WHC WKS	300, 600 300, 600	PG PG	Henry Wilson American-Hawaiian S. S. Co.	Marconi Co. Vessel owner.
Columbine	NLL	600, 750, 1000.	0	Government	U. S. Dept. of Commerce.
Colusa. Comal	WIN KEM	300, 600 300, 450, 600.	PG PG	W. R. Grace & Co Mallory S. S. Co	Marconi Co. Marconi Co.
Comanche	KVC NRW KTJ	300, 600 300, 600	PG PG PG	Clyde S. S. Co Government Standard Transpor-	Marconi Co. U. S. C. G. Marconi Co.
Commonwealth	KXC	300, 600 300, 550,	PG	tation Co. New England S. S.	Nat. Elec. Sig-
Communipaw	KOE	600. 300, 600		Co. Standard Oil Co. of	naling Co.
Comus	KKD KEC	300, 600 300, 600	PG PG	N. J. Southern Pacific Co Mallory S. S. Co	Marconi Co. Marconi Co.
Concord	KNC	300, 550, 600.	PG	Colonial Nav. Co	Nat. Elec. Sig- naling Co.
Congress	WGT	300, 600	PG	Pacific Coast S. S. Co.	Marconi Co.
Conneaut	wcu	300, 600		Wyandotte Transp. Co.	Marconi Co.
Connecticut Coppename	NDQ KBF	300, 600	PG PG	Government Coppename S.S.Corp.	dio Tele-
CordovaCorning	WAR KIH	300, 600 300, 600	PG PG	Alaska S. S. Co Standard Oil Co. of	graph Co. Vessel owner. Marconi Co.
Coronado Corsair Corwin	WSO KYC WNN	300, 600 300, 600	PG	N. J. Coronado Co J. P. Morgan estate	Marconi Co. Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Costa Rica	WQI	300, 600	PG	Bristol Bay Packing	Vessel owner.
Craster Hall	KLK	300, 600	PG	U. S. Steel Products	Marconi Co.
Creole	KKR	300, 450,	PG	Southern Pacific Co	Marconi Co.
Cretan	KQC	600. 300, 450,	PG	Merchants & Miners'	Marconi Co.
Cristobal	KMD	600. 300, 450, 600.	PG	Transp. Co. Panama R. R. Co	Vessel owner.
Crofton Hall	KLR	300, 450, 600.	PG	U. S. Steel Products Co.	Marconi Co.
Crook	WXB	300, 600	PG	Government	U. S. Army
Cubadist:	KNV	300, 450, 600.	PĞ	Cuba Distilling Co	Marconi Co.
Culgoa	NDU	300,600	$\mathbf{PG}$	Government	U. S. Navy.
Cummings	NIL	300,600	PG	do	U. S. Navy.
Curação	WGK	300, 600	PG	Pacific Coast Co	Marconi Co.
Currier	KNU	300, 600	$\mathbf{PG}$	Cuba Distilling Co	Marconi Co.
Cushing	KSC	300, 600	PG	Standard Oil Co. of N. J.	Marconi Co.
Cushing	NIM	300, 600	PG	Government	U. S. Navy.
Cyclops	NDY	300, 600	PG	do	U. S. Navy.
Cypress	NLM	600, 750, 1000.	О	do	U. S. Dept. of Commerce.
Cyprus	KYD	300, 600	PG`	Daniel C. Jackling	Vessel owner.
Dade	KXU	300, 450, 600.	PG	Miami S. S. Co	Marconi Co.
Dakotan	WKD	300, 600	PG	American-Hawaiian S. S. Co.	Marconi Co.
Dauntless	WRP	300, 600	PG	Ship Owners' & Merchants' Tug Boat Co.	Vessel owner.
Dawnlite	KPP	300, 600	PG	Standard Oil Co. of N. J.	Marconi Co.
Daylite	KPR	300, <b>6</b> 00	PG	do	Marconi Co.
Dayton	KNP	300,600	PG	do	Marconi Co.
Decatur	NJC	300, 600	$\mathbf{PG}$	Government	U. S. Navy.
Defiance	$\mathbf{WRP}$	300, 600	$\mathbf{PG}$	Ship Owners' &	Vessel owner.
		·		Merchants' Tug Boat Co.	
Delaware	NEK	300,600	$\mathbf{PG}$	Government	U. S. Navy.
Delaware Sun	KTW	300, 600	PG	Sun Co	Marconi Co.
Denver	NEM	300,600	PG	Government	U. S. Navy.
Des Moines	NEN	300, 600	PG	do	U. S. Navy.
De Soto	KNI	300, 600	PG	Standard Oil Co. of N. J.	Marconi Co.
Despatch	WOA	300, 600	PG	Border Line Transp. Co.	Marconi Co.
Diana	KZM			C. Ledyard Blair	Marconi Co.
Dix	WXC	600	PG	Government	U. S. Army.
Dixie	NEP	300, 600	$\mathbf{PG}$	do	U. S. Navy.
D. N. Luckenbach.	KGW	300, 600		Edgar F. Lucken- bach.	Marconi Co.
Dochra	KGL	300, 600	$\mathbf{PG}$	La Plata S. S. Co	Marconi Co.
Dolphin	WAU	300, 600	$\mathbf{PG}$	Alaska S. S. Co	Vessel owner.
Dolphin	NEQ	300, 600	PG	Government	U. S. Navy.
Dora	WAĦ	300, 600	PG	Alaska S. S Co	Vessel owner.
Dorchester	KQD	300, 600	PG	Merchants & Miners'	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Dorothy Bradford	KNA	300, 600	PR	Cape Cod S. S. Co., trustees.	Vessel owner.
Downes	NIN	300, 600	PG	Government	U. S. Navy.
Drayton	NET	300, 600	PG	do	U. S. Navy.
Dubuque	NEU	300, 600		do	U. S. Navy
Duncan	NIR	300, 600	PG	do	U S. Navy.
E-1	NXS	300, 600	PG	do	U. S. Navy.
E-2	NXT	300, 600	PG	do	U. S. Navy.
Eagle	NFC	300, 600	PG	do	U. S. Navy.
Eastern States	WEE	300, 600	PG	Detroit & Cleveland Nav. Co. Pacific Mail S. S. Co.	Marconi Co.
Ecuador	WBN KGK	300, 600 300, 450,	PG	Luckenbach Co.	Vessel owner.
Edgar F. Lucken- bach.	AUA	530, <i>600</i> .	10	(Inc.).	V coser owner.
Edward L.Doheny.	WIE	300, 475, 600.	PG	Petroleum Transp.Co.	Marconi Co.
El Alba	KKL	300, 450, 600.	PG	Southern Pacific Co	Marconi Co.
Elcano	NFD	300, 600	PG	Government	U. S. Navy.
El Capitan	WNB	300, 600	PG	Standard Oil Co. of N. J.	Marconi Co.
El Cid	KKT	300, 600	PG	Southern Pacific Co	Marconi Co.
El Dia	KKY	300, 450, 600.	PG	do	Marconi Co.
Ellington	NLN	300, 600	0	Government	U. S. Dept. of Labor.
El Mundo	KKU	300, 600	PG	Southern Pacific Co	Marconi Co.
El Norte	KKN	300, 450, 600.	PG	do	Marconi Co.
El Occidente	KKX	300, 600	PG	do	Marconi Co.
El Oriente	KKV	300. 450, 600.	PG	do	Marconi Co.
El Rio	KKZ	300, 600	PG	do	Marconi Co.
El Segundo	WTQ	300, 600	PG	Standard Oil Co. of Cal.	Marconi Co.
T01 C1:-1-	KKS	200 600	.PG	Southern Pacific Co	Marconi Co.
El Siglo El Sol	KKB	300, 600 300, 450, 600.	PG	do	Marconi Co.
El Sud	KKQ	300, 450, 600.	PG	do	Marconi Co.
El Valle	KKW	300, 600	PG	do	Marconi Co.
Enterprise	WMN	300, 600	PG	Matson Nav. Co	Marconi Co.
Eocene	KTM	300, 600	PG	Standard Transp. Co.	Vessel owner.
Erskine M. Phelps.	WTA			William D. Sewall	Marconi Co.
E. R. Sterling	wis	300, 450,	P	(Union Oil Co.). Sterling Ship Co	Vessel owner.
Esperanza	KWZ	300, 450,	PG	N. Y. & Cuba Mail	Marconi Co.
		600.		S. S. Co. (Ward Line).	
Essex	KQE	300, 600	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Eurana	KJG	300, 450, 600.	PG	Walker, Armstrong & Co.	Marconi Co.
Evangeline	KII	300, 600	PG	Evangeline Co	Marconi Co.
Excelsior	кко	300, 465, 600.	PG	Southern Pacific Co	Marconi Co.
Expansion	WOH	300, 600	PG	North Alaska Salmon Co.	Vessel owner.
Explorer	NLI	300, 600	0	Government	U. S. Dept. of Commerce.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
F-1	NXU	300, 600	PG	Government	U. S. Navy.
F-2	NXV	300, 600	PĞ	do	U. S. Navy.
F-3	NXW	300, 600	PĞ	do	U. S. Navy.
F-4	NXX	300, 600	PĞ	do	U. S. Navy.
F. A. Kilburn	WRW	300, 600	PĞ	North Pacific S. S.Co.	
Fanning	NFM	300, 600	PĞ	Government	U. S. Navy.
Farragut	NVS	300,600	PĞ	do	U. S. Navy.
Favorite	WCF	300, 600	PG	Great Lakes Towing Co.	Marconi Co.
Fearless	WRP	300, <i>600</i>	PG	Ship Owners' & Mer- chants' Tug Boat Co.	Vessel owner.
Finland	KSF	300, 600	PG	International Mercantile Marine Co. (Panama-Pacific	Marconi Co.
Florence Lucken- bach.	WNM	300, 600	PG	Line). Luckenbach Co. (Inc.).	Marconi Co.
Florida	KUS	300, 600	PG	The Texas Co	Marconi Co.
Florida	NFR	300, 600	PG	Government	U. S. Navy.
Floridian	WLR	300, 450, 600.	PG	American - Hawaiian S. S. Co.	Marconi Co.
Flusser	NFS	300, 600	PG	Government	U.S. Navy.
Francis Hanify	KRA	300, 600	PG	G. R. Hanify Co	Marconi Co.
Frank H. Buck	WTO	300, 600	PG	Associated Oil Co	Federal Tele-
Fred'k Lucken- bach.	KGV	300, 600	PG	Edgar F. Lucken- bach.	graph Co. Marconi Co.
G-1	NXY	300,600	PG	Government	U. S. Navy.
G-2	NXZ	300, 600	PG	do	U. S. Navy.
G-3	NYA	300, 600	PG	do	U. S. Navy.
G-4	NYB	300, 600	PG	do	U. S. Navy.
Galatea	WGF	300, 600	PG	E. L. Ford	Marconi Co.
Galveston	NGD	300, 600	PG	Government	U. S. Navy.
Gargoyle	KRK	300, 450, 600.	PG	Vacuum Oil Co	Marconi Co.
General A. M. Randol.	WYJ	400	0	Government	U. S. Army.
General E. O. C. Ord.	WYF	600	0	do	U. S. Army.
General George H. Weeks.	WZT	1200	0	do	U. S. Army.
General G. W. Getty.	WYS	1200	0	do	U. S. Army.
General Harvey	WYK	400	0	do	U. S. Army.
Brown. General Henry J.	WYD	600	o	do	U. S. Army.
Hunt. General Henry	WYE	600	О	do	U. S. Army.
Knox. General J. M.	wzv	1200	О	do	U. S. Army.
Brannan. General John M.	wxw	600	О	do	U. S. Army.
Schofield. General Nathanael	WZR	1200	О	do	U. S. Army.
Greene. General R. B.	WYL	600	0	do	U. S. Army.
Ayres.	1117	100	_	,	TT : G .
General R. H. Jackson.	WYW	400	0	do	U.S. Army.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

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Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
General Richard	WYY	1200	0	Government	U. S. Army.
General R. N. Batchelder.	WZW	1200	0	do	U. S. Army.
General Robert Anderson.	WYH	400	0	do	U. S. Army.
General Robert Swartout.	WYU	400:	0	do	U. S. Army.
General Royal T. Frank.	WYA	600	o	do	U. S. Army.
General S. B. Holabird.	WYV	400	0	do	U. S. Army.
General S. N. Mills. General Timothy	WYB WZQ	600 1200	0	do	U. S. Army. U. S. Army.
Pickering. George E. Paddle-	WIV	300, 450,	PG	Petroleum Transp.	Marconi Co.
ford.	TTTDM	600.	TDC	Co.	
Geo. W. Elder	WRT	300,600	PG	North Pacific S. S.	Marconi Co .
Georgia	KUR.	300, 450, 600.	PG	Texas Co	1
Georgia	WFA	300, 600	PG	Goodrich Transit Co.	,
Georgia	NGF WKG	300, 600 300, 600	PG PG	Government American-Hawaiian	U. S. Navy. Marconi Co.
deorgram	WILC	300, 000	IU	S. S. Co.	Marcon Co.
Georgiana	KJE	<b>300, 600</b>	·····	Walker, Armstrong & Co.	Marconi Co.
Gettysburg	WCK	300, 600	••••	Moore & McCormick Co. (Inc.).	1
Glacier	NGH	300, 600		Government	U. S. Navy.
Glenpool	кон	300, 450, 600.	PG	Standard Oil Co. of N. J.	Vessel owner.
Gloucester	KQG	300, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Gloucester	NSL	300, 600		Government	U. S. Navy.
Goldsborough	NGJ	<b>300</b> , <i>600</i>	PG	do	U. S. Navy.
Gold Shell	WIB	300, 450,	$\mathbf{PG}$	Gold Shell S. S. Co	Marconi Co.
Goliah	WPG	600. 300, 600.	PG	Puget Sound Tug Boat Co.	Vessel owner.
Governor	WGR	<b>300</b> , <i>600</i>	$\mathbf{PG}$	Pacific Coast S. S. Co.	Marconi Co.
Governor Cobb	KRB	300, 600	PG	Eastern S. S. Corp	
Governor Dingley.	KRV	<b>300,</b> <i>600</i>	$\mathbf{PG}$	do	Marconi Co.
Gov. Forbes	WJA	<b>300</b> , <i>600</i>	PG	Ynchausti Co	Vessel owner.
Grace Dollar	WSF	<b>300, 600</b>	PG	Grace Dollar S. S. Co.	Marconi Co.
Great Northern	WIR	300, 450, 600.	PG	Great Northern Pacific S. S. Co.	Marconi Co.
Grecian	KQR	300, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Gresham	NRG	300, <i>600</i> , 750.	PG	Government	U. S. C. G.
Guantanamo	KWN	<b>300</b> , <i>600</i>	PG	New York & Cuba Mail S. S. Co.	Marconi Co.
Guardian	WGZ	300, 600	PG	(Ward Line). Central & South American Telegraph Co.	Vessel owner.
Gulfcoast	KUE	300, 600	PG	Gulf Refining Co	Marconi Co.
Gulflight	KUA	300, 600	PĞ	do	Marconi Co.
Gulfoil	KTG	<b>300</b> , <i>600</i>	PG	do	Marconi Co.
Gulfstream	KTB	<b>300,</b> <i>600</i>	$\mathbf{PG}$	ldo	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

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Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
H-1	NYC	300, <i>600</i>	PG	Government	U. S. Navy.
H-2	NYD	300, 600	PĞ	do	U. S. Navy.
H-3	NYE	300, 600	PĞ	do	U. S. Navy.
Halcyon	KZĹ	300, 425,	P	Dutee W. Flint	Vessel owner.
Hamilton	KOA	600. 300, 450, 600.	PG.	Old Dominion S. S.	Marconi Co.
Hancock	NHI	300, 600	PG	Government	U. S. Navy.
Hannibal	NGU	300, 600	PG	do	U. S. Navy.
Harry Luckenbach.	KGX	300, 450, 600.	PG	Edgar F. Luckenbach	Marconi Co.
Harvard	WRH	300, 600	PG	Metropolitan S. S. Co. (Pacific Steam Nav. Co.).	Federal Tele- graph Co.
Harvester. See The Harvester.					
Hattie Lucken- bach.	WNF	300, 600	PG	Luckenbach Co. (Inc.).	Marconi Co.
Havana	KWH	300, 450,	PG	N. Y. & Cuba Mail	Marconi Co.
	10,111	600.	10	S. S. Co. (Ward Line).	Marconi Co.
Hawaiian	WKU	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner.
Healdton	KOF	<b>300,</b> <i>600</i>		Standard Oil Co. of N. J.	
Hector	NGX	300, 600	PG	Government	U. S. Navy.
Helena	NGY	<b>300, 600</b>	PG	do	U. S. Navy.
Henley	NHA	300, 600	PG	do	U. S. Navy.
Henry J. Biddle	wow	300, 600	PG	Columbia Contract Co	Vessel owner.
Henry M. Flagler	KOX	300, 600	PG	Florida East Coast Ry.	Marconi Co.
Henry T. Scott	$\mathbf{WRA}$	300, <i>600</i> ,	PG	California S. S. Co	Marconi Co.
Henry Wilson	WZS	1200.	0	Government	U. S. Army.
Herbert G. Wylie	WIF	300, 600	PG	Petroleum Transport Co.	Marconi Co.
Hercules	WRP	300, 600	PG	Ship Owners' & Merchants' Tug Boat Co.	Vessel owner.
Heredia	KDH	<b>300,</b> <i>600</i>	PG	Heredia S. S. Corp	Tropical Ra- dio Tele-
Herman Frasch	кғн	<b>300,</b> <i>600</i>	PG	Union Sulphur Co	graph Co. Atlantic Com- munication Co.
Hermosa	WBP	300, 500, 600.	PR	Wilmington Transp.	Marconi Co.
Hewitt	KIL	300,600	PG	Union Suplhur Co	Vessel owner.
H. H. Rogers	KSI	300, 450, 600.	PG	Standard Oil Co. of N. J.	Marconi Co.
Hilonian	WMM	300,600	PG	Matson Nav. Co	Marconi Co.
Hiram B. Everest	KRS	300, 600	PĞ	Vacuum Oil Co	Marconi Co.
Holland	WDW	300, 600	PG	Graham & Morton Transp. Co.	Marconi Co.
Honolulan	WKH	300, 600	PG	American-Hawaiian S. S. Co.	Marconi Co.
Hopkins Howard	NHC KQH	300, 600 300, 450,	PG PG	Government Merchants & Miners'	U. S. Navy. Marconi Co.
Howick Hall	KLT	600. 300, 600	PG	Transp. Co. U. S. Steel Products Co.	Marconi Co.
Hull	NHE	300,600	PG	Government	U. S. Navy.
Humboldt	WHX	300,600		Humboldt S. S. Co	

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Huron	кун	300, 450, 600.	PG	Clyde S. S. Co	Marconi Co.
Hyades	WMK	300,600	PG	Matson Nav. Co	Marconi Co.
Iaqua	WLI	300,600	PG	John A. McGregor	Marconi Co.
I. D. Fletcher	KFI	300,600	PG	Coast Transit Co	Marconi Co.
Illinois	WCZ	300,600	PG	Northern Michigan Transp. Co.	Marconi Co.
Illinois	KTH	300, 450, 600.	PG	Texas S. S. Co	Marconi Co.
Illinois	NHO	300,600	PG	Government	U. S. Navy.
Inco No. 1	WQA	300, 450, 600.	PG	Inland Nav. Co	Marconi Co.
Indiana	WFC	300,600	PG	Goodrich Transit Co	Marconi Co.
Indiana	NHQ	300,600	PG	Government	U. S. Navy.
Iowa	NHT	600	PG	do	U. S. Navy.
Iowan	WKJ	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner.
Iris	NHU	300,600	PG	Government	U. S. Navy.
Iroquois	KVF	300, 450, 600.	PG	Clyde S. S. Co	Marconi Co.
Iroquois	NHV	300,600	PG	Government	U. S. Navy.
Isla de Luzon	NQJ	300,600		do <u></u>	U. S. Navy.
Isthmian	WKI	300,600	PG	American-Hawaiian S. S. Co.	Vessel owner.
Itasca	NRI	300,600	PG	Government	U. S. C. G.
J. A. Chanslor	WTK	300, <i>600</i> , 1800.	PĞ	Associated Oil Co	Federal Tele-
Jacob Jones	NKG	300,600	ļ	Government	graph Co. U.S. Navy
Jamestown	KOC	300, 450, 600.	PG	Old Dominion S. S.	Marconi Co.
J. A. Moffett	WRE	300, 600	PG	Standard Oil Co. of Cal.	Marconi Co.
Jarvis	NIB	300,600	PG	Government	U. S. Navy.
Jason	NNB	300,600	PG	do	U.S. Navy.
J. B. Stetson	WRC	300,600	PG	Hicks-Hauptman Nav. Co.	
Jefferson	KOD	300, 600	PG	Old Dominion S. S.	Marconi Co.
Jefferson	WAJ	300,600	PG	Alaska S. S. Co	Vessel owner.
Jenkins	NID	300,600	PG	Government	U. S. Navy.
Jim Butler	WIL	300,600	PG	Olson and Mahony	Marconi Co.
J. L. Luckenbach	KGT	300,600	PG	Luckenbach Co. (Inc.).	Marconi Co.
J. M. Danziger	wiw	300, 450, 600.	PG	Petroleum Transp.Co	Marconi Co.
J. M. Guffey	KTF	300,600	PG	Gulf Refining Co	Marconi Co.
John A. Hooper	WSJ	300,600	PG	John A. Hooper Co	Marconi Co.
John D. Archbold.	KTK	300, 600	PG	Standard Oil Co. of N. J.	Marconi Co.
John D. Rockefeller.	кто	300,600	PG	do	Marconi Co.
Joseph Henry	WXT KZU	600	0	Government	U. S. Army.
Joseph Pulitzer	WPZ	300, 450,	PG	Joseph Widener Port of Portland,	Vessel owner.
		525, <i>600</i> .	- n-	Oreg.	
Jouett	NIE	300, 600	PG	Government	U. S. Navy.
Juniata	KQJ	300, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Juniata	WCB	300,600	PG	Erie & Western	Marconi Co.
	İ	l	l	Transp. Co (Anchor Line).	

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Jupiter	NNC	300,600	PG	Government	U. S. Navy.
Justin	NNJ		PG	do	U. S. Navy.
		300,600			
K-1	NYF	300,600	PG	Government	U. S. Navy.
K-2	NYG	300, 600	PG	do	U. S. Navy.
K-3	NYH	300,600	PG	do	U.S. Navy.
K-4	NYI	300,600	PG	do	U. S. Navy.
K-5	NYJ	300,600	PG	do	U. S. Navy.
	NYK		PG	do	
K-6		300, 600			U. S. Navy.
K-7	NYL	300, 600	PG	do	U. S. Navy.
K-8	NYM	300, 600	PG	do	U. S. Navy.
Kansan	WKK	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner
Kansas	NIO	300, 600	PG	Government	U. S. Navy.
Karina	KYR			Theodore P. Burgess.	
Kearsarge	NIP	300,600	PG	Government	U. S. Navy.
Kentra	KLN	300, 600	PG	U. S. Steel Products	Marconi Čo.
Kentuckian	WKE	300, 600	PG	American-Hawaiian	Vessel owner
77 . 1	MIO	200 000	PG	S. S. Co.	TI C Name
Kentucky	NIQ	300, 600	- 0,	Government	U. S. Navy.
Kershaw	KQK	300, 450,	PG	Merchants & Miners'	Marconi Co.
		600.		Transp. Co.	
Kilpatrick	WXD	600	PG	Government	U. S. Army.
Klamath	WSX	300,600	PG	Klamath S. S. Co	Marconi Co.
Korea	WWK	300, 600	PG	Atlantic Transport	Marconi Co.
Kroonland	KSH	300, 600	PG	Co. International Mercan- tile Marine Co.(Pan-	
Kukui	NLF	300, 600	0	ama-Pacific Line). Government	U. S. Dept. o
Kvichak	WNS	300, 600	PG	Alaska Packers' Asso-	Vessel owner
La Brea	WON	300, <i>600</i> , 1800.	PG	Ciation. Union Oil Co	Federal Telegraph Co.
Lakeland	WDL	300, 600	PG	Port Huron & Du- luth S. S. Co.	Marconi Co.
Lakeport	WDJ	300,600	PG	do	Marconi Co.
Talegori	WDK		PG	do	Marconi Co.
Lakewood		300, 600			
Lampasas	KEP	300, 450,	PG	Mallory S. S. Co	Marconi Co.
		600.	Land of		
Lamson Lansing	$\frac{\text{NIW}}{\text{WTC}}$	300, 600	PG PG	Government Union S. S. Co	U. S. Navy. Federal Tel
					graph Co.
Larimer	KTA	300,600	PG	Gulf Refining Co	Marconi Co.
Latouche	WAI	300,600	PG	Alaska S. S. Co	
Lawrence	NIY	300, 600	PG	Government	
	NIZ		PG		
Lebanon Lenape	KVL	300, 600 300, 450,	PG	Clyde S. S. Co	U. S. Navy. Marconi Co.
		600.			
Leonidas	NNH	300, 600	PG	Government	
Lewis Luckenbach.	WNH			Luckenbach Co.(Inc.)	Marconi Co.
Lexington	KNB	300, 550,	PG	Colonial Nav. Co	
		600.			naling Co.
Lieut. Geo. M. Harris.	WYR	400	0	Government	
Ligonier	KTD	300,600	PG	Gulf Refining Co	Marconi Co.
Liscum	WXE	600	PG	Government	U. S. Army
	WXF		PG	do	U. S. Army.
Logan		600			
Los Angeles	WOL	300, <i>600</i> , 1800.	PG	Union Oil Co	Federal Tell graph Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Louisiana	KUL	300, 450, 600.	PG	The Texas Co	Marconi Co.
Louisiana	NJB NZX	300, 600 300, 600, 750.	PG O	Government	U. S. Navy. Alaskan Engi- neering Commis- sion.
Lurline	WML	300, 450, 600.	PG	Matson Nav. Co	Marconi Co.
Lydonia	WDY WTL	300, 600 300, 600, 1800.	PG PG	W. A. Lydon Union Oil Co	graph Co.
Lysistrata	KYL	300, 600	PG	James G. Bennett	Vessel owner.
Macdonough	NJH	300, 600	PG	Government	U. S. Navy.
Machias Mackinaw	NQL WHW	300, 600 300, 600	PG PG	George & James Flood.	U. S. Navy. Vessel owner.
Macona	KFC	300, 450, 600.	PG	Barber & Co. (Inc.)	Marconi Co.
Madison	KOG	300, 450, 600.	PG	Old Dominion S. S.	Marconi Co.
Maine	KXD	300, 450, 500, 550, 600.	PG	New England S. S.	Nat.Elec. Sig. naling Co.
Maine	NJL WYQ	300, 600 1200	PG O	Governmentdo	U. S. Navy. U. S. Army.
Major Evan Thomas.	WYO	300	0	do	U. S. Army.
Major Samuel Ringgold.	WYC	300	0	do	U. S. Army.
Manchuria	WWE	300, 600	PG	Atlantic Transport	Marconi Co.
Manitou	WFW	300, 600	PG	Northern Michigan Transp. Co.	Marconi Co.
Manning	NRN WMQ	300, 600 300, 450, 600.	PG PG	Government Matson Nav. Co	U. S. C. G. Marconi Co.
Maracaibo	KDM	300, 450, 600.	PG	Atlantic & Caribbean Steam Nav. Co. (Red D Line).	Marconi Co.
Marblehead	NGK	300, 600		Government	
Marquette & Bessemer No. 1.	NJQ WEW	300, 600 300, 425, 540, 600.	PG PR	Marquette & Besse- mer Dock & Nav.	U. S. Navy. Vessel owner.
Marquette & Bessemer No. 2.	WEX	300, 425, 540,600.	PR	do	Vessel owner.
Mars	NJR	300, 600	PG.	Government	U. S. Navy.
Maryland	NJS	300, 600	PG	do	U. S. Navy.
Mascotte	KOW	300, 600	PG	Peninsular & Occidental S. S. Co.	Marconi Co.
Massachusetts	KJM	300, 600	PG	Eastern S. S. Corp	Marconi Co.
Massachusetts Matinicock	NJT KID	300, 600	PG PG	Government Standard Oil Co. of N. J.	U. S. Navy. Marconi Co.
Matsonia	WMP	300, 450, 600.	PG	Matson Nav. Co	Marconi Co.
Maverick	WTW			Standard Oil Co. of Cal.	

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SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
W	NIV	200 600	PC	Corromment	TI C No.
Mayflower	NJV	300, 600	PG	Government	U. S. Navy.
Mayrant	NJU	300, 600	PG	do	U. S. Navy.
McCall	NJW	300, 600	PG	do	U. S. Navy.
McClellan	WXH	600	PG	do	U. S. Army.
McCulloch	NRH	300, 600	PG	do	U. S. C. G.
McDougal	NIT	300, 600	PG	do	U. S. Navy.
Meade	WXG	600	$\mathbf{PG}$	do	U. S. Army.
Medina	KEI	300, 450, 600.	PG	Mallory S. S. Co	Marconi Co.
Merrimack	KQM	300, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Merritt	WXI	600	PG	Government	U. S. Army.
Metapan	KLF	300, 600	PG	Metapan S. S. Corp	Tropical
месарап	KLI	300, 000	10	metapan S. S. Corp	Radio Tele graph Co.
Mexican	WKL	300,600	PG	American-Hawaiian S. S. Co.	Vessel owner.
Mexicano	KGM	300,600	PG	Pierce Oil Corp	Marconi Co.
Mexico	KWX	300, 450, 600.	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Miami	KOZ	300,600	PG	Peninsular & Occi- dental S. S. Co.	Marconi Co.
Miami	NRQ	300, <i>600</i> , 750.	PG	Government	U. S. C. G.
Michigan	NJZ	300,600	PG	do	U. S. Navy.
Mielero	KNT	300,600	2 0	Cuba Distilling Co	Marconi Co.
Millinocket	KNM	300, 600	PG	A. H. Bull S. S. Co	Marconi Co.
Milla			PG		Marconi Co.
Mills	KRR	300, 600		Ogden Mills	
Milwaukee	NFB	300, 600	PG	Government	U. S. Navy.
Minneapolis	NGB	300, 600	PG	do	U. S. Navy.
Minnesota	WEK	300, 600	PG	Lake Michigan Transp. Co.	Marconi Co.
Minnesota	WMI	300, 600	PG	Great Northern S. S. Co.	Marconi Co.
Minnesota	NKD	300, 600	PG	Government	U. S. Navy.
Minnesotan	WKM	300, 600	PG	American-Hawaiian S. S. Co.	Marconi Co.
Missouri	WFX	300, 600	PG	Northern Michigan S. S. Co.	Marconi Co.
Missouri	NKF	300,600	PG	Government	U. S. Navy.
Missourian	WKX	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner
Mohawk	KVM	300, 450, 600.	PG	Clyde S. S. Co	Marconi Co.
Mohawk	KXE	300, 550, 600.	PG	New England S. S.	Nat. Elec.Sig
Mohawk	KYU	300	P	Ralph E. Barry	Vessel owner
Mohawk	NRM	300,600	PG	Government	U. S. C. G.
Mohegan	KXM	300, 550,	PG	New England S. S.	Nat. Elec. Sig naling Co.
Momus	KKM	300, 450, 600.	PG	Southern Pacific Co	Marconi Co.
Monadnock	NHD	300, 600	PG	Government	U. S. Navy.
Monaghan	NKL	300, 600	PG	do	U. S. Navy.
Mongolia	WWN	300, 600	PG	Atlantic Transport	Marconi Co.
Monocacy	NQQ	300, 600	PG	Government	U. S. Navy.
Montone	NKM		PG	do	U. S. Navy.
Montana	NKM	300, 600		American-Hawaiian	Vessel owner.
Montanan	WKN	300, 600	PG	S. S. Co.	v esser owner.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Monterey	KWY	300, 450, 600.	PG	N. Y. & Cuba Mail S. S. Co. (Ward	Marconi Co.
Monterey	NKN	300,600	PG	Line). Government	U. S. Navy.
Montgomery	NKO	300, 600	PG	do	U. S. Navy.
Moonlite	KPL	300, 600	PG	Standard Oil Co. of N. J.	Marconi Co.
Mooremack	WCL	300, 600		Moore & McCormick Co.	~
Moreni	KNX	300, 600	PG	Standard Oil Co. of	Vessel owner.
Morrill	NRC	300, 600	PG	N. J. Government	U. S. C. G.
Morro Castle	KWC	300, 450, 600.	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Motano	KSB	300, 600	PG	Standard Oil Co. of N. J.	Vessel owner.
Mount Hope	KOL	300, 600	P	Providence, Fall River & Newport	Vessel owner.
Multnomah	WMA	300, 600	PG	Steamboat Co. Multnomah S. S. Co	Marconi Co.
Munamar	KUI	300, 600	PG	Munson S. S. Co	Marconi Co.
Munplace	KUG	300, 450,	PG	do	Marconi Co.
Munsomo	KUK	300, 450, 600.	PG	do	Marconi Co.
Munwood	KUH	300,600	PG	do	Marconi Co.
Muskogee	KIB	300, 600	PG	Standard Oil Co. of N. J.	Marconi Co.
Nacoochee	KFP	300, 600	PG	Ocean S. S. Co. (Savannah Line).	Marconi Co.
Nann Smith	WBO	300, 600	PG	Inter-Ocean Transp.	Marconi Co.
Nanshan	NNK	300, 600	PG	Government	U. S. Navy.
Nantucket	KQN	300, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Nashville	NKY	300,600	PG	Government	U. S. Navy.
Navahoe	KOR	300, 600		R. Lawrence Smith, (Inc.)	Marconi Co.
Navajo	WNJ	300, 600	PG	Navajo S. S. Co	Marconi Co.
Navajo	NKZ	300, 600	PG	Government	U. S. Navy.
Navesink	WXU	400, 600, 800.	0	do	U. S. Army.
Nébraska	NMA	300, 600	PG	do	U. S. Navy.
Neches	KEE	300, 450,	PG	Mallory S. S. Co	Marconi Co.
Nelson	KNL	600. 300, 600	PG	Cuba Distilling Co	Marconi Co.
Neptune	NMS	300, 600	PG	Government	
Nereus	NNF	300, 600	PG	do	U. S. Navy.
Nero	NMB	300, 600	PG	do	U. S. Navy.
Nevada	WFD	300, 600		Goodrich Transit Co.	Marconi Co.
New Hampshire	KXF	300, 550, 600.	PG	New England S.S.Co.	Nat. Elec. Sig naling Co.
New Hampshire	NME	300, 600	PG	Government	U. S. Navv.
New Haven	KXN	300, 550, 600.	PG	New England S. S.Co.	Nat. Elec. Sig naling Co.
New Jersey	NMF	300, 600	PG	Government	U. S. Navy.
New Orleans	NMG	300, 600		do	U. S. Navy.
Newport	NMH	300, 600		do	
Newport	WWH	300, 600		Pacific Mail S. S. Co.	Marconi Co.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
New York	KSN	300, 600	PG	International Mercantile Marine Co. (American Line).	Marconi Co.
New York New York	NCC KUW	300, 600 300, 450, 600.	PG PG	Government The Texas Co	U. S. Navy. Marconi Co.
Niagara	KYN	300, 600	$\mathbf{P}\mathbf{G}$	Howard Gould	Marconi Co.
Nicholson	NIU	300, 600	PG.	Government	U. S. Navy.
Nokomis	KYO	300, 600	PG	Horace E. Dodge	Marconi Co.
Noma Norman Bridge	WIG	300, 600 300, 600	PG PG	Vincent Astor Petroleum Transp.	Marconi Co. Marconi Co.
North American	WEN	300, 600	PG	Co. Chicago, Duluth & Georgian Bay S. S. Co.	Marconi Co.
North Carolina	NMN	300, 600	PG	Government	U. S. Navy.
North Dakota	NMO	300, 600	PG	do	U. S. Navy.
Northern Pacific	WIM	300, 465, 600.	PG	Great Northern Pacific S. S. Co.	Marconi Co.
North Land	WCN	300, 600	PG	Northern S. S. Co	Marconi Co.
North Land	KJD	300, 600	PG	Eastern S. S. Corp	Marconi Co.
North Star Northwestern	KJS KUO	300, 600	PG PG	The Texas Co	Marconi Co.
Northwestern	WAN	300, 600	PG	Alaska S. S. Co	Marconi Co. Vessel owner.
North Wind	KYB	300.	P	Charles Martin Clark.	Vessel owner.
Norwood	WSG	300, 450, 525, 600.	PG	Pacific - American Fisheries Co.	Vessel owner.
Nueces Nushagak	KEH WNE	300, 600 300, 400, 500, 600.	PG PG	Mallory S. S. Co Alaska Packers' Association.	Marconi Co. Vessel owner.
O'Brien Octorara	WCD	300, 600 300, 600	PG PG	Government Erie & Western Transp. Co. (An-	U. S. Navy. Marconi Co.
				chor Line).	
Ohio Ohioan	NMW WKQ	300, 600 300, 600	PG PG	Government American-Hawaiian	U. S. Navy. Vessel owner.
Old Colony	кјо	200 600	PG	S. S. Co.	Manage Ca
Oleum	WTD	300, 600 300, 600, 1800.	PG	Eastern S. S. Corp Union Oil Co	Marconi Co. Federal Tele-
Olivette	KOV	300, 450, 600.	PG	Peninsular & Occi- dental S. S. Co.	graph Co. Marconi Co.
OnegaOneida	KGU KYP	300, <i>600</i> 300, 550,	PG P	Barber & Co. (Inc.). E. C. Benedict	Marconi Co.~ Vessel owner.
Oneonta	WPX	600.	PG	Powt of Powtland One	Managri Ca
Onondaga	NRO	300, 600 300, 600, 750.	PG	Port of Portland, Oreg. Government	Marconi Co. U. S. C. G.
Ontario	KQO	300, 600	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Ontario	NTA	300, 600	PG :	Government	U. S. Navy.
Oregon	NMZ	300, 600	PG	do	U. S. Navy.
Oregon	wou	300, 600	• • • • •	Crowley Launch & Tugboat Co.	Marconi Co.
Oregonian	wko	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner.
Orion	NOC	300, 600	$\mathbf{PG}$	Government	U. S. Navy.
Orleanian	KON	300, 600	PG	R. Lawrence Smith (Inc.).	Marconi Co.
Osceola	NOA	300, <i>600</i>	PG	Government	U. S. Navy.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Ossipee	NRJ	300, <i>600</i> , 750, 1000.	PG	Government	U. S. C. G.
Ozark	ини	300, 600	PG	do	U. S. Navy.
Paducah	NOG	300, 600	PG	do	U. S. Navy.
Palos	NQS	300, 600	PG	do	U. S. Navy
Pamlico	NRR	300, 600	PG	do	U. S. C. G.
Pampanga	NQT	300, 600	PĞ	do	U. S. Navy.
Panama	КМН	300, 450, 600.	PG	Panama R. R. Co	Vessel owner.
Panaman	WKR	300, 600	PG	American- Hawaiian S. S. Co.	Vessel owner.
Pan American	KUT	300, 450, 600.	PG	The Texas Co	Marconi Co.
Panther	NOJ	300,600	PG	Government	U. S. Navy.
Panuco	KMM	300, 600	PG	Freeport & Tampico Fuel Oil Transp. Corp.	Marconi Co.
Paraguay	KTT WRI	300, 600 300, 600	PG PG	Sun Co	Marconi Co. Marconi Co.
Parismina	KDG	300, 600	PG	Co. Parismina S. S. Corp.	Tropical Ra- dio Tele-
Parker	NIX	300, 600	PG	Government	graph Co. U. S. Navy.
Pastores	KLA	300, 600	PG	Pastores S. S. Corp	Tropical Ra- dio Tele- graph Co.
Patapsco	NOL	600		Government	U.S. Navy.
Pathfinder	NLJ	300,600	o	do	U. S. Dept. of Commerce.
Patterson	NLH	300, 600	Ö	do	U. S. Dept. of Commerce.
Patterson	NOK	300, 600	PG	do	U. S. Navy.
Patuxent	NOM	300, 600	PG	do	U. S. Navy.
Paulding	NOM	300, 600	PĞ	do	U. S. Navy.
Paul Jones	NOP	300,600	PĞ	do	U. S. Navy.
Pearl Shell	WIC	300,600	1 - 4	Pearl Shell S. S. Co	Marconi Co.
Pennsylvania	wwi	300,600	PG	Pacific Mail S. S. Co.	Marconi Co.
Pennsylvanian	WKP	300, 600	PĞ	American-Hawaiian S. S. Co.	Vessel owner.
Peoria	Now	300,600	PG	Government	U. S. Navy.
Pequonnock	KXP	300, 550, 600.	PĞ	New England S. S. Co.	Nat. Elec. Sig- naling Co.
Pere Marquette	WDA	300,600	PG	Pere Marquette R. R. Co.	Marconi Co.
Pere Marquette 17.	WDC WDD	300, 600	PG PG	do	Marconi Co. Marconi Co.
Pere Marquette 18		300, 500, 600.			
Pere Marquette 19	WDB	300, 500, 600.	PG	do	Marconi Co.
Pere Marquette 20	WDE	300, 500, 600.	PG	do	
Perfection	KTN	300, 600	PG	Standard Transportation Co.	Marconi Co.
Perkins	NOX NOY	300, 600	PG	Government	U. S. Navy.
Perry		300,600	PG	Morehenta & Minera'	U. S. Navy.
Persian	KQX	300, 600	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Peru Petoskev	WWJ	300, 600 300, 600	PG PG	Pacific Mail S. S. Co Chicago & South Ha-	Marconi Co. Marconi Co.
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Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Petrel	NOZ KIF	300, 600 300, 425,	PG PG	Government Standard Oil Co. of	U. S. Navy. Vessel owner.
Philadelphia	KDA	300, 450, 600.	PG	N. J. Atlantic & Carib- bean Steam Nav.	Marconi Co.
Philadelphia	KSM	300, 600	PG	Co. (Red D Line). International Mercantile Marine Co.	Marconi Co.
Pioneer	KIG	300, 600	PG	(American Line). Standard Oil Co. of N. J.	Vessel owner.
Pioneer	WPN	300, 600	PG	Puget Sound Tug Boat Co.	Vessel owner.
Pittsburgh Platuria	NOT KSE	300, 600 300, 600	PG PG	Government Standard Oil Co. of N. J.	U. S. Navy. Marconi Co.
Pleiades	WNP	300, 600	PG	Edgar F. Lucken- bach.	Marconi Co.
Plymouth	KXH	300, 550, 600.	PG	New England S. S. Co.	Nat. Elec. Sig- naling Co.
Polarine	KOI	300, 450, 600.	PG	Standard Oil Co. of N. J.	Vessel owner.
Pompey Ponce	NQF KGP	300, 600 300, 450, 600.	PG PG	New York & Porto Rico S. S. Co.	U. S. Navy. Marconi Co.
Pottland	WNV NQK KQY	300, 600 300, 600 300, 450,	PG PG PG	Nyno Line (Inc.) Government Merchants & Miners'	Vessel owner. U. S. Navy. Marconi Co.
PrairiePreble	NQM NQN	600. 300, 600 300, 600	PG PG	Transp. Co. Government	U. S. Navy. U. S. Navy.
President President Princess Anne	WGP NQO KOB	300, 600 300, 600 300, 450,	PG PG PG	Pacific Coast S. S. Co. GovernmentOld Dominion S. S.	U. S. Navy. Marconi Co.
Princeton	KST	300, 600	PG	Standard Oil Co. of	Marconi Co.
Princeton Priscilla	NQP KXI	300, 600 300, 550, 600,	PG PG	N. J. Government New England S. S. Co.	U. S. Navy. Nat. Elec. Sig- naling Co.
Prometheus Proteus	NQR KKP	300, 600 300, 450, 600.	PG PG	Government Southern Pacific Co	U. S. Navy. Marconi Co.
Proteus Providence	NNG KXJ	300, 600 300, 550,	PG PG	Government New England S. S.	U. S. Navy. Nat. Elec. Sig-
Providencia	WIK	300, 600	PG	Co. Olson & Mahony	naling Co. Golden Gate Transp. Co.
Puritan	WDU	300, 600	PG	Graham & Morton Transp. Co.	Marconi Co.
Quantico	KQQ	300, 450, 600.	PG	Merchants & Miners Transp. Co.	Marconi Co.
Queen Radiant	WGX KTR	300, 600 300, 600	PG PG	Pacific Coast S. S. Co. Standard Transporta- tion Co.	Marconi Co. Marconi Co.
Rainbow Raleigh Ranger Ravalli	NTD NTE NFU WGI	300, 600 300, 600 300, 600 300, 600	PG PG PG PG	GovernmentdododoPaçific Coast S. S. Co.	U. S. Navy. U. S. Navy.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Rayo	KTL	300, 600	PG	Standard Transporta- tion ('o.	Atlantic Com- munication Co.
Redondo	WBM	300,600	PG	Alaska S. S. Co	Vessel owner.
Reid	NTU	300, 600	PG	Government	U. S. Navy.
Relief	KVZ KRJ	300, 600 300, 600	P PG	MexicanTelegraphCo. Merritt & Chapman Derrick & Wreck- ing Co.	Vessel owner. Vessel owner.
Remlik	KZR	300,600	PG	Willis S. Kilmer	Vessel owner.
Reno	WYN	300	0	Government	U. S. Army.
Republic	WSU	300, 600	PG PG	John A. Hooper	Marconi Co.
Rescue	KRP	300, 600	ru	Merritt & Chapman Derrick & Wreck- ing Co.	Vessel owner.
Restorer	WIU	250, 300, 600.	P	Commercial Pacific Cable Co.	Vessel owner.
Reuce	WSR	300, 525, 600.	PG	Columbia River Packers' Assn.	Vessel owner.
Rhode Island	NTX WLG	300, 600 300, 600	PG	Government Richard Hulett&Son.	U. S. Navy.
Richard Peck	KXR	300, 450 500, 550,	PG	New England S. S. Co.	Nat.Elec. Sig- naling Co.
Richmond	WTR	300, 600	PG	Standard Oil Co. of Cal.	Marconi Co.
Rio Grande Roamer	KEG KZN	300, 600 300, 450,	PG PG	Mallory S. S. Co State of Florida	Marconi Co. Vessel owner.
Rochester	KDY	600. 300, 450, 600.	PG	Vacuum Oil Co	Marconi Co.
Rockingham	WKY	300, 450, 600.	PG	Garland S. S. Corp	Marconi Co.
RoeRoosevelt	NTZ NLR	300, 600 300, 600	PG O	Governmentdo.	U. S. Navy. U. S. Dept. of Commerce.
Rose City	wwr	300, 600	PG	San Francisco & Portland S. S. Co.	Marconi Co.
Royal Arrow	KSW	300, 450, 600.	PG	Standard Transp. Co.	Marconi Co.
Sabine	KEB	300, 450, 600.	PG	Mallory S. S. Co	Marconi Co.
Sacramento	NQV	300, 600	PG	Government	U. S. Navy.
Salem Samson	NTP WOS	300, 600	PG PG	Columbia Contract	U. S. Navy. Vessel owner.
San Francisco	KRT	300, 600	PG	U. S. Steel Products	Marconi Co.
San Francisco San Jacinto	NTQ KES	300, 600 300, 450, 600.	PG PG	Government Mallory S. S. Co	U. S. Navy. Marconi Co.
San Jose San Juan	WWL KGJ	300, 600 300, 450,	PG PG	Pacific Mail S. S. Co New York & Porto Rico S. S. Co.	Marconi Co. Marconi Co.
San Juan	wwm	600. 300, 600	PG	Pacific Mail S. S. Co.	Marconi Co.
San Marcos	KEK	300, 600	PG	Mallory S. S. Co	Marconi Co.
San Mateo	KLV	300, 600	PG	San Mateo S. S. Corp.	Tropical Radio Tele-
San Ramon	WNW	300, 600	PG	Parr-McCormick S. S. Co.	graph Co. Marconi Co.

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Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Santa Ana Santa Barbara	WAL WBJ	300, 600 300, 450, 600.	PG PG	Alaska S. S. Co Atlantic & Pacific S. S. Co.	Vessel owner. Marconi Co.
Santa Catalina Santa Cecilia	WBC	300, 600 300, 600	PG PG	do	Marconi Co. Marconi Co.
Santa Clara Santa Cruz Santa Maria	WBA WBD WTF	300, 600 300, 600 300, 600	PG PG PG	do	Marconi Co. Marconi Co. Federal Tele-
Santa Marta	KLG	300, 600	PG	Santa Marta S. S. Corp.	graph Co. Tropical Ra- dio Tele- graph Co.
Santanta Santa Rita	KZS WMC	300, 600 300, 525, 600.	P PG	Osborne Howes W. R. Grace & Co	Vessel owner. Vessel owner.
Santa Rita Santa Rosalia	WTG KLO	300, 600 300, 600	PG PG	Sun Co	Marconi Co. Marconi Co.
Santiago	KWE	300, 600	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Saramacca	KLH	300, 600	PG	Saramacca S. S. Corp.	Tropical Radio Telegraph Co.
Saratoga,	KWS	300, 450, 600.	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Saratoga Sarnia	NTR KVR	300, 600 300, 600	PG PG	Government Bay S. S. Co. of America (Ltd.).	U. S. Navy. Marconi Co.
Satellite	KPS	300, 600	PG	Alfred S. Sorensen & Sons.	Vessel owner.
Satsuma Saturn	KJI NNM	300, 600	PG PG	Barber & Co Government	Marconi Co. U. S. Navy.
Sayonara	KYJ	300, 600	1	A. J. Drexel:	Vessel owner.
Scorpion Sea Rover	NTT WRP	300, 600 300, 600		Government Ship Owners' & Mer- chants' Tug Boat Co.	U. S. Navy. Vessel owner.
Security	KSJ ·	300, 600	PG	Standard Transportation Co.	Marconi Co.
Seeandbee	WFS	300, 600	PG	Cleveland & Buffalo Transit Co.	Marconi Co.
Seguranca	KWG	300, 600	PG	Seguranca S. S. Corp.	Marconi Co.
Seminole	NRS	300, 600	PG	Government	U. S. C. G.
Senator Bailey	WGS KGS	300, 600 300, 450, 600.	PG PG	Pacific Coast Co Gulf Refining Co	Marconi Co. Marconi Co.
Seneca	NRE	300, <i>600</i> , 750.	PG	Government	U. S. C. G.
Seward	WAV	300, 600	PG	Alaska S. S. Co	Vessel owner.
Shenango Sheridan	KTC WXJ	300, 600	PG PG	Gulf Refining Co	Marconi Co.
Sherman	WXK	600   600	PG	Governmentdodo	U. S. Army. U. S. Army.
Sialia	WFY			J. K. Stewart	Atlantic Com- munication Co.
Sibiria	KVS	300, 600	PG	Bay S. S. Co. Of America (Ltd.).	Marconi Co.
Sierra	WHJ	300, <i>600</i> , 1800.	PG	Oceanic S. S. Co	Federal Tele- graph Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Silver Shell	WIA	300, 450, 600.	PG	Silver Shell S. S. Co.	Marconi Co.
Sixaola	KDS	300, 600	PG	Sixaola S. S. Corp	Tropical Ra- dio Tele-
S. M. Fischer Smith	WPH NSQ	300, 600 300, 600	PG PG	Reid Wrecking Co Government	graph Co. Marconi Co. U. S. Navy.
Snohomish S. O. Co. No. 91	NRF WTU	300, 600 300, 600	PG PG	Standard Oil Co. of	U. S. C. G. Marconi Co.
S. O. Co. No. 93 S. O. Co. No. 95	WTY WTZ	300, 600 300, 600	PG PG	dodo	Marconi Co. Marconi Co.
Socony	KTX	300, 600	PĞ	Standard Oil Co. of N. Y.	Atlantic Com- munication Co.
Solace	NST	300, 600	PG	Government	U. S. Navy.
Somerset	KQS	300, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Somerset	KSU	300, 600	PG	Standard Oil Co. of N. J.	Vessel owner.
Sonoma	WHM	300, 600	PG	Oceanic S. S. Co	Federal Tele- graph Co.
Sonoma	NTG	300, 600 300, 600	PG	Government	U. S. Navy.
South American	WEO	300, 600	PG PG	Chicago, Duluth & Georgian Bay S. S. Co.	U. S. Navy. Marconi Co.
South Carolina	NSW	300, 600	PG	Government	U. S. Navy.
South Dakota Speedwell	NSX WQS	300, 600 300, 600	PG PG	A. F. Estabrook (Sou.	U. S. Navy. Marconi Co.
Spokane	WGE	300, 600	PG	Oreg. Transp. Co.). Pacific Coast Co	Marconi Co.
Sprigg Carroll	WZU	1200	0	Government	U. S. Army.
Standard	KIC	300, 450, 600.	PG	Standard Oil Co. of N. J.	Marconi Co.
Standard II Standard Arrow	KSA KSV	300, 600 300, 450, 600.	PG PG	Standard Transp. Co.	Marconi Co. Marconi Co.
Starlite	KPK	300, 600	PG	Standard Oil Co. of N. J.	Marconi Co.
Starr	WPS	300, 600	PG	San Juan Fishing & Packing Co.	Vessel owner.
State of Ohio	WFR	300, 600	PG	Cleveland & Buffalo Transit Co.	Marconi Co.
Sterrett	NTB	300, 600	PG	Government	U. S. Navy.
StewartSt. Francis	NTC WHH	300, 600	PG PG	Alaska Fishermen's	U. S. Navy. Vessel owner.
St. Louis	KSL	300, 600	PG	Packing Co. International Mercantile Marine Co.	Marconi Co.
St. Louis	NTF	300, 600	PG	(American Line). Government	U. S. Navy.
St. Nicholas	wss	300, 600	PG	Columbia River Packers' Associa-	Vessel owner.
St. Paul	KSO	300, 600	PG	tion. International Mercantile Marine Co. (American Line).	Marconi Co.
Stranger	NSR	300, 600	<b></b> .	Government	
Sucrosa	KNS	300, 600	l. <b></b> .		Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
SumnerSunSunlite	WXL KTU KPQ	600 300, 600 300, 600	PG PG PG	Government Sun Co Standard Oil Co. of N. J.	U. S. Army. Marconi Co. Marconi Co.
Supply Suriname	NTK KLI	300, 600 300, 600	PG PG	Government Suriname S. S. Corp	U. S. Navy. Tropical Ra- dio Tele-
Suruga	KGD	300, 450, 600.	PG	Barber & Co	graph Co. Marconi Co.
Suwannee	KQZ	300, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Sylph	NTL	300,600	PG	Government	U. S. Navy.
Tacoma	NUA	300, 600	PĞ	do	II S Navy
Tallahassee	NUC	300, 600	PĞ	do	U. S. Navy. U. S. Navy.
Tallapoosa	NRV		PĞ	do	U. S. C. G.
Tanapoosa	NEV	300, 600,	FG	ao	0. S. C. G.
Tamesi	WTE	750, 1000. 300, <i>600</i>	PG	Freeport & Tampico Fuel Oil Transp.	Marconi Co.
Tasco	KFT	300, 400, 480,600.	PG	T. A. Scott Co. (Inc.).	Vessel owner.
Tatoosh	WPE	300, 600	PG	Puget Sound Tug Boat Co.	Vessel owner.
Tenadores	KLB	300, 600	PG	Tenadores S. S. Corp.	Tropical Radio Tele-
Tennessee	NUG	300, 600	PG	Government	graph Co. U. S. Navy.
Terry	NUI	300,600	PĞ	do	U. S. Navy.
Texan	WKT	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner.
Texas	KUM	300, 450, 600.	PG	The Texas Co	Marconi Co.
Texas	NCD	300,600	PG	Government	U. S. Navy.
The Harvester	WCR	300,600	PĞ	Wisconsin Steel Co	Marconi Co.
The Limit			PĞ		Marconi Co.
The Limit	WCV NRT	300, 600	PG	Whitney Bros. Co Government	II O C C
		300,600			U. S. C. G. U. S. Army.
Thomas Tionesta	WXM WCA	600 300, <i>600</i>	PG PG	Erie & Western Transp. Co. (An- chor Line).	Marconi Co.
Tivives	KMI	300, 600	PG	Tivives S. S. Corp	Tropical Radio Tele-
m.1.1.	T2003.7	000 000	TDC:	g g-	graph Co.
Toledo	KTV	300, 600	PG	Sun Co	Marconi Co.
Tonopah	NUN	300, 600	PG	Government	U. S. Navy.
Topila Tormenter	KKE KFN	300, 600	PG	Southern Pacific Co Freeport & Tampico Fuel Oil Transp.	Marconi Co. Marconi Co.
Trinidadian	KNO	300,600	PG	Co. Gulf Refining Co	Marconi Co.
			PG	Covernment	
Trippe	NUQ	300,600	PG	Government	U. S. Navy.
TruxtonTurrialba	NUS KDT	300, 600 300, 600	PG	Turrialba S. S. Corp.	U.S. Navy. Tropical Ra- dio Tele-
Thursday	NDT	200 200	DO	Carrammant	graph Co.
Tuscarora Twilite	NRL KPO	300, 600	PG PG	Government Standard Oil Co. of N. J.	U. S. C. G. Marconi Co.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Tyee	WPC	300, 600	PG	Puget Sound Tug Boat Co.	Vessel owner.
Ulysses	KPU	300,600		Panama Canal	
Umatilla	WGU	300,600	PG	Pacific Coast S. S. Co.	Marconi Co.
Unalga	NRX	300, <i>600</i> , 800.	PG	Government	U. S. C. G.
Uncas	NVF	300,600	PG	do	U. S. Navy.
Utah	NVE	300, 600	PG	do	U. S. Navy.
Vanadis	KYT	300, 600	P	Morton F. Plant	Vessel owner.
Venetia	WOV	300, 600	P	J. D. Spreckles	Vessel owner.
Venezuela	WBG	300,600		Pacific Mail S. S. Co.	
Ventura	WHL	300, 600, 1800.	PG	Oceanic S. S. Co	.Federal Tele- graph Co.
Vermont	NVK	300, 600	PG	Government	U.S. Navy.
Vesta	KTS	300, 600	PG	Standard Transportation Co.	Marconi Co.
Vestal	NMC	300, 600	PG	Government	U. S. Navy.
Vesuvius	NVM	300, 600	PG	do	U. S. Navy.
Vicksburg	NVN	300, 600	PG	do	U. S. Navy.
Victoria	WAD	300, 600	PG	Alaska S. S. Co	Vessel owner.
Vigilancia	KWV	300, 600	PG	Gaston, Williams & Wigmore.	Marconi Co.
Vigilant	-KPG	300,600	PG	Clinchfield Nav. Co. (Inc.).	Marconi Co.
Villalobos	NVP	200 600	PG	Government	U. S. Navy.
Virginia	KFR	300, 600	PG	Gaston, Williams &	Marconi Co.
Y::	WEIT	200 000	PG	Wigmore S. S. Corp.	Marconi Co.
Virginia	WFH	300,600		Goodrich Transit Co. Government	
Virginia Virginian	NVR WKV	300, 600	PG PG	American-Hawaiian	U. S. Navy. Vessel owner.
Vi-	MOTT	200 000		S. S. Co.	U. S. Navy.
Vixen	NSU NVT	300, 600	PG	Government	U. S. Navy.
Vulcan		300, 600	PG	H. S. Harkness	Marconi Co.
Wakiva	KYI	300, 600	PG		U. S. Navy.
Walke	NWL	300,600		Government Port of Portland, Oreg.	Marconi Co.
Wallula	WPY	300, 600	PG		
Wana	KYX	300, 600	P	George C. Sherman	Marconi Co. Marconi Co.
Wapama	WMG	300, 600	PG PG	Wapama S. S. Co	U. S. Army.
Warren	WXN	600	PG	Governmentdo	U. S. Navy.
Warrington	NWD	300, 600	PG	do	U. S. Navy.
Washington	NWE	300, 600	PG		U. S. Navy.
Wasp	NSV KYW	300, 600	10	Alfred G. Vanderbilt.	U. B. Havy.
Wayfarer. W. B. Flint	WHG	300, 600	PG	Alaska Fishermen's	Vessel owner.
W. B. Keene	KWK	300, 600	PG	Packing Co. Hilton Dodge Transp.	Marconi Co.
Westoil	KJT	300, 600		Standard Oil Co. of	
Western States	WED	300, 450,	PG	N. J. Detroit & Cleveland	
Wost Vivoinio	NWG	500, 600.	PG	Nav. Co. Government	U. S. Navy.
West Virginia Westwego	KGE	300, 600 300, 450,	PG	Union Petroleum S.	Vessel owner.
Wheeli	ATTETE	600.	DC	S. Co.	II & Nove
Wheeling	NWH	300, 600	PG	Government	U. S. Navy.
Whipple	NWI	300, 600	PG	do	U. S. Navy.
Whittier	WHT	300, 600,	PG	Union Transp. Co	Federal Tele-
Wice	TATAT	1800.	DC	Standard Oil Co of	graph Co. Marconi Co.
Wico	KNN	300, 600	PG	Standard Oil Co. of N. J.	marconi co.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Wild Duck Wilhelmina	KYG WMO	300, 600 300, 450, 600.	PG PG	Gulf Refining Co Matson Nav. Co	Marconi Co. Marconi Co.
Willamette Wm. F. Herrin	WSW WTN	300, 600 300, 600, 1800.	PG PG	Willamette S. S. Co. Associated Oil Co	Marconi Co. Federal Tele- graph Co.
William O'Brien	KPN	300,600	PG	East Coast Transp.Co.	Marconi Co.
Wilmington	NWK	300,600	PG	Government	U. S. Navv.
Windber	WND	300, 600	PG	Pacific-American Fisheries.	Marconi Co.
Winifred	KTE	300,600	PG	Gulf Refining Co	Marconi Co.
Winslow	NJA	300, 600	PG	Government	U. S. Navy.
Wisconsin	NWM	300,600	PG	do	U. S. Navy.
Worden	NWP	300, 600	PG	do	U. S. Navy.
W. S. Porter	WTM	300, 600	PG	Associated Oil Co	Marconi Co.
Wyoming	NWQ	300, 600	PG	Government	U. S. Navy.
Yale	WRY	300, 600	PG	Metropolitan S.S.Co. (Pacific Steam Nav. Co.).	Federal Tele- graph Co.
Yamacraw	NRY	300,600	PG	Government	U. S. C. G.
Yankton	NSK	300,600	PG	do	U. S. Navv.
Yorktown	NQX	300, 600	PG	do	U. S. Navv.
Yosemite	WQY	300, 600	PG	Yosemite S. S. Co	Marconi Co.
Yucatan	WMY	300, 600	PG	North Pacific S. S. Co.	Marconi Co.
Zacapa	KLE	300, 600	PG	Zacapa S. S. Corp	Tropical Ra- dio Tele- graph Co.
Zapora	WPQ	300,600	PG	Booth Fisheries Co	Vessel owner.
Zealandia	KNŘ	300, 600	PG	Fiske Trading Co	Nat. Elec. Sig- naling Co.
Zulia	KDZ	300, 450, 600.	PG	Atlantic & Carribbean Steam Nav. Co. (Red D Line).	Marconi Co.

# LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS.

[This list includes all call signals which have been assigned to United States radio stations, except amateur and certain "special" stations. b=ship station; c=land station.]

Call signal.	Station.	Call signal.	. Station.
KDA KDB KDC	Philadelphia. b Caracas b Douglas, Ariz. c	KEN KEO	
KDD KDE	Cartagob	KEP	Lampasasb
KDF KDG	Coppename b Parismina b	KEQ	
KDH KDI	Herediab Abangarezb	KER KES KET	San Jacinto. b Bolinas, Cal
KDJ KDK	Atenasb	KEU	
KDĽ KDM	Maracaibob	KEV	
KDN		KEW KEX	Los Angeles, Calc
KDO KDP	Portland, Oregc	KEY KEZ KFA	Brazos. b City of Columbus. b
KDQ		KFB KFC	City of Atlantab
KDR KDS KDT KDU	Sixoala b Turrialba b Juneau, Alaska c	KFD KFE	City of Memphisb
KDV		KFF	
KDW KDX KDY KDZ	Bayamonb Rochesterb Zuliab	KFG KFH KFI KFJ KFK	Herman Fraschb I. D. Fletcherb City of Augustab City of Savannahb
KEA KEB KEC	Sabine b Concho b	KFL KFM KFN	Tormenter b
KED KEE	Nechesb	KFO KFP	Buccaneer. b Nacoochee. b
KEF KEG KEH KEI KEJ KEK	Rio Grande       b         Nueces       b         Medina       b         Alamo       b         San Marcos       b	KFQ KFR KFS KFT KFU KFV	Virginiab San Francisco, Calc Tascob Lents, Oregc
KEL KEM	Comalb	KFW KFX	City of St. Louisb

## LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
KFY	City of Montgomery b	KHU	
KFZ	Inglewood, Calc		
KGA KGB	Coamo	KHV	
KGB	Carolinab	KHW	
KGC		KHX	Heeia Point, Hawaii
KGD KGE	Surugab Westwegob	кну	
KGF		KHZ	
1101		KIA	Ardmore
KGG		KIB	Muskogee
KĞĤ	Hollister, Calc	KIC	Standard
KGI	Oakland, Calc	KIĎ	Matinicock
KGJ	Can Tues	KIE	Koko Head, Hawaii
	San Juanb	KIF	Dotalita
KGK	Edgar F. Luckenbach b		Petrolite
KGL	Dochrab	KIG	Pioneer
KGM	Mexicanob	KIH	Corning
KGN	Albina, Oregc	KII	Evangeline
KGO	Underwood, Wash	KIJ	Acme
KGP	Ponceb	KIK	Atlantic
		KIL	Hewitt
KGQ		1	
KĠŘ	Atlanta	KIM	
KGS	Senator Baileyb		
KGT	J. L. Luckenbachb	KIN	
KĞÜ	Onegab		
KGV	Fred'k Luckenbach b	KIO	
KGW	D. N. Luckenbach b	1110	
KGX	Uswer Tuckenbach	KIP	
	Harry Luckenbachb	KIQ	Astral
KGY		KIR	-,
KGZ	Town Day Al. 1	KIS	
KHA	Larsen Bay, Alaskac	KIS	••••••
KHB	Koggiung, Alaskac Chignik, Alaskac	KIT	
KHC	Chighik, Alaskac	KII	
$\mathbf{KHD}$		KIU	
	1	KIV	Iditarod, Alaska
$\mathbf{KHE}$		KIW	Victor, Colo
$\mathbf{KHF}$	Snag Point, Alaska	KIX	Denver, Colo
KHG	Clarks Point, Alaska c	KIY	Colorado Springs, Colo
	,	KIZ	Brooks, Alaska
$\mathbf{KHH}$		KJA	Jualin, Alaska
		KJB	Bunker Hill
KHI			
KHJ	Koko Head, Hawaiic	KJC	1
KHK	Wahiawa, Hawaiic	KJĎ	North Land
$\mathbf{KHL}$	Lahaina, Hawaii	KJE	Georgiana
KHM	Lihue, Hawaii	KJF	Carolinian
KHN	Kawaihae, Hawaii	IX91	Carolinian
кно	Kawaihae, Hawaii c Kaunakakai, Hawaii	KJG	Eurana
KHP		кјн	
TTTT	Phoenix, Arizc	KJI	Satsuma
$\mathbf{KHQ}$			NewBullia
-		1	
KHQ KHR KHS	Naknek, Alaskac	KJJ	

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS-Continued.

	<b>1</b>		
Call signal.	Station.	Call signal.	Station.
KJL KJM KJN	Massachusettsb	KLF KLG KLH KLI	Metapan. b Santa Marta b Saramacca b Suriname b
KJO KJP	Old Colonyb	KLJ KLK	Craster Hallb
KJQ	•	KLL	
KJR KJS	Rialto, Calc North Starb	KLM KLN KLO	Bantu b Kentra b Santa Rosalia b
KJT KJU	Westoil b Bacoi b	KLP	
KJV		KLQ KLR	Crofton Hallb
KJW		KLS KLT	Los Angeles, Cal
KJX		KLU KLV	Charlton Hall b San Mateo b
KJY		KLW	· · · · · · · · · · · · · · · · · · ·
KJZ KKA KKB	Antillesb El Solb	KLX	
KKC KKD	Chalmette b Comus b	KLY	
KKE	Topilab	KLZ KMA	Alliançab
KKF		кмв	
KKG KKH		KMC KMD	Clincherb Cristobalb
KKI	,	KME	
KKJ		KMF KMG	Egegak, Alaskac Nushagak, Alaskac
KKK KKL	El Albab	KMH KMI	Panama b Tivives b
KKM KKN	Momusb El Norteb	KMJ KMK KML	Naknek, Alaska
KKO KKP KKO	Excelsiorb Proteusb El Sudb	KMM	Alockanok River, Alaskac Panucob
KKR KKS	Creole b El Siglo b	KMN	••••••
KKT KKU KKV	El Cid	KMO KMP	Metha Nelsonc
KKW KKX	El Valleb	KMQ	
KKY KKZ	El Diab El Riob	KMR KMS	Anconb
KLA KLB	Pastoresb Tenadoresb	KMT KMU	Hales Creek, Alaskac Ugashik, Alaskac
KLC -	Calamaresb	KMV	Advanceb
KLD KLE	Almiranteb	KMW KMX	Akutan, Alaska c Colon

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

			<u> </u>
Call signal.	Station.	Call signal.	Station.
KMY	••••	KOU	
	·	KOV	Olivetteb
$\mathbf{KMZ}$		KOW	Mascotteb
KNA	Dorothy Bradfordb	KOX	Henry M. Flaglerb
KNB	Lexingtonb		
KNC	Concordb	KOY	
KND	Beverlyb	KOZ	Miamib
	1 1	KPA	Seattle, Washc
KNE		KPB	Ketchikan, Alaskac
		KPC	Astoria, Oregc
KNF			, ,
KNG	Bradfordb	KPD	
KNH	Brocktonb	KPE	Seattle, Washc
KNI	De Sotob	IXI I	Southic, Wasii
KNJ	Sandy Hookb	TZDE	
KNK	New Yorkb	KPF	Windland h
KNL	Nelsonb	KPG	Vigilantb
KNM	Millinocketb	KPH	Hillcrest, Cal
KNN	Wicob	KPI .	Avalon, Cal
KNO	Trinidadianb	KPJ	East San Pedro, Cal
KNP	Daytonb	KPK	Starliteb
	1 *	KPL	Moonliteb   Eureka, Calc
KNQ		KPM	William O'Brienb
KNŘ	Zealandiab	KPN	Twiliteb
KNS	Sucrosab	KPO	Dawnliteb
KNT	Mielerob	KPP	Sunliteb
KNU	Currierb	KPQ	
KNV	Cubadistb	KPR	Dayliteb
		KPS KPT	Satelliteb Achillesb
KNW		KPU	Ulyssesb
KNX	Morenib	KIU	Ulysses
KNY		KPV	
Triv I		KPW	Cape Codb
KNZ		KPX	Marshfield, Oregc
KOA	Hamiltonb		
KOB	Princess Anneb	KPY	
KOC	Jamestownb		
KOD	Jeffersonb	KPZ	
KOE	Communipawb	1112	
KOF	Healdton b	KQA	
KÖĞ	Madisonb	TAN	
KŎĤ	Glenpoolb	TOD	1
KOI	Polarineb	KQB	Cretanb
		KQC	Dorchesterb
KOJ		KQD KQE	Essexb
<b>WOW</b>			
KOK KOL	Mount Hopeb	KQF	••••
KOL	Campanab	KQG	Gloucesterb
	Orlognian	KQH	Howardb
KON KOO	Orleanianb Amazoniab		,
OOA	Amazoma	KQI	
KOP		KQJ	Juniatab
		KQK	Kershawb
$\mathbf{K}\mathbf{O}\mathbf{Q}$			
KOR	Navahoeb	KQL	
KOS	Brunswickb	KQM	Merrimackb
		KQN	Nantucketb
KOT	1	KQO	l Ontariob

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Station.	Call signal.	Station.
ZOD.		KSI	II II D
KQP			H. H. Rogersb
$\mathbf{KQQ}$	Quanticob	KSJ	Securityb
KQR	Grecianb	KSK	Caddob
KQS	Somersetb	KSL	St. Louisb
2240	Domotoot	KSM	Philadelphia b
TZ O.M.			
KQT		KSN	New Yorkb
		KSO	St. Paulb
KQU		KSP	Caloriab
•	i	KSQ	Charles Prattb
KQV		KSR	
11.66		KSS	Baywayb South San Francisco, Calc
TOW			D.:
KQW		KST	Princetonb
KQX	Persianb	KSU	Somersetb
KQY	Powhatanb	KSV	Standard Arrowb
KQZ	Suwanneeb	KSW	Royal Arrowb
KŘĀ	Francis Hanifyb		100,000
KRB	Governor Cobbb	KSX	
		NOA	
KRC	Camden b		·
$\mathbf{K}\mathbf{R}\mathbf{D}$	Belfastb	KSY	
$\mathbf{KRE}$	Bay Stateb		
		KSZ	
KRF		KTA	Larimerb
		KTB	Gulfstreamb
KRG	1	KTC	
	or an		Shenangob
$\mathbf{K}\mathbf{R}\mathbf{H}$	City of Bangorb	$\mathbf{KTD}$	Ligonierb
KRI	City of Rocklandb	KTE	Winifredb
$\mathbf{K}\mathbf{R}\mathbf{J}$	Reliefb	KTF	J. M. Guffeyb
$\mathbf{K}\mathbf{R}\mathbf{K}$	Gargoyleb	KTG	Gulfoilb
		KTH	Illinoisb
$\mathbf{K}\mathbf{R}\mathbf{L}$		KTI	Brilliantb
121011		KTJ	Cometb
KRM		KTK	Tabe D Anabhald h
			John D. Archboldb
KRN	Calvin Austinb	KTL	Rayob
$\mathbf{K}\mathbf{R}\mathbf{O}$	Bramell Pointb	KTM	Eoceneb
$\mathbf{KRP}$	Rescueb	KTN	Perfectionb
		KTO	John D. Rockefellerb
$\mathbf{K}\mathbf{R}\mathbf{Q}$		1	
KRŘ	Millsb	KTP	
KRS	Hiram B. Everestb	KTQ	City of Everettb
KRT	San Franciscob	KTŘ	Radiantb
KIVI	San Francisco		
	i.	KTS	Vestab
$\mathbf{K}\mathbf{R}\mathbf{U}$		KTT	•Paraguayb
KRV	Governor Dingleyb	KTU	Sunb
$\mathbf{K}\mathbf{R}\mathbf{W}$	Roche Harbor, Washc	KTV	Toledob
		KTW	Delaware Sunb
KRX		KTX	Soconyb
121622		KIA	botony
77.17.37		TZM3Z	
KRY	••••••	KTY	
			l m
$\mathbf{K}\mathbf{R}\mathbf{Z}$		KTZ	Brindillab
KSA	Standard IIb	KUA	Gulflightb
KSB	Motanob		
KSC	Cushingb	KUB	
	Can Diogo Col	TOD	
KSD	San Diego, Calc	TZTZO	
KSE	Platuriab	KUC	
KSF	Finlandb		
KSG	Baton Rougeb	KUD	
KSH	Kroonlandb	KUE	Gulfcoastb
KSH	Kroonlandb	KUE	Gulfcoast

54257°—16——4

# · LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
KUF KUG KUH KUI	Munplaceb Munwoodb Munamarb	KVX KVY KVZ	Relayb
KUJ KUK KUL KUM KUN	Munsomo b Louisiana b Texas b Alabama b	KWA KWB KWC KWD KWE	Buenaventurab  Morro Castleb Antillab Santiagob
KUP	Northwesternb	KWF KWG KWH	Segurancab Havanab
KUQ KUR KUS KUT	Georgia. b Florida b Pan American b	KWI KWJ KWK	Camagueyb 
KUV KUV	Brabantb	KWL KWM	
KUX KUY		KWN KWO	Guantanamob
KUZ KVA KVB	Apacheb Arapahoeb	KWP KWQ KWR	Port Moller, Alaskab
KVC KVD	Comancheb	KWS KWT KWU	Saratogab Teller, Alaskac
KVE KVF KVG KVH	Iroquoisb Algonquinb Huronb	KWW KWW KWX	Vigilanciab  Mexicob
KVI KV <b>J</b>	·	KWY KWZ KXA KXB	Monterey
KVK KVL KVM	Cherokeeb Lenapeb Mohawkb	KXC KXD KXE	Maine b Mohawk b
KVN		KXF	New Hampshire b
KVO		KXG KXH	Plymouth
KVP KVQ KVR - KVS	Sarnia. b Sibiria. b	KXI KXJ KXK KXL KXM KXN	Priscilla
KVT			
KVU KVV KVW	Koggiung, Alaskac	KXO KXP KXQ KXR	Pequonnock b Chester W. Chapin b Richard Peck b

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Station.	Call signal.	Station.
KXS		KZH	
KXT KXU	Dadeb	KZI	
KXV		KZJ	
		KZK	
KXW.		KZL	Halcyonb
KXX		KZM KZN	Guianab Roamerb
KXY		KZO	
KXZ		KZU	
KYA	<u> </u>	KZP	
KYB KYC KYD KYE	North Windb Corsairb Cyprusb Casianab	KZQ KZŘ KZS	Remlik b Santanta b
KYF	•	KZT	
KYG KYH	Wild Duckb Alohab	. KZU	Josephineb
KYI KYJ KYK	Wakivab Sayonarab Kismetb	KZV	
KYL	Lysistrata. b	KZW	
KYM		KZX	
KYN KYO KYP	Niagara b Noma b Oneida b	KZY	
KYQ KYR	Californiab Karinab	KZZ	
KYS		NAA NAB	Washington, D. C c Portland, Me
KYT KYU	Vanadisb Mohawkb	NAC NAD	Portsmouth, N. Hc Boston, Massc
		NAE	North Truro, Mass
KYV KYW	Wayfarerb	NAF NAG	Newport, R. Ic Fire Island, Long Island, N.Y.c
KYX	Wanab	NAH	New York (Brooklyn), N. Yc
KYY		NAI NAJ	Philadelphia, Pac Great Lakes, Illc
KYZ		NAK NAL	Annapolis, Mdc Washington, D. Cc
KZA	Albertab	NAM	Norfolk, Vac
KZB	Aliciab	NAN NAO	Beaufort, N. C
KZC	Aztecb	NAP NAQ	St. Augustine, Flac Jupiter, Flac
		NAR	Key West, Flac
KZD		NAS NAT	Pensacola, Flac New Orleans, Lac
KZE		NAU NAV	San Juan, P. R
ĶZF		NAW	Guantanamo Bay, Cubac
KZG		NAX NAY	Colon, Panamac Point Isabel, Texc

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS-Continued.

	1		1
Call signal.	Station.	Call signal.	Station.
NAZ NBA	Darien, Panamac	NCK NCL	Bealeb
NBB	<b></b>	NCM NCN	Birmingham b
NBC		NCO	
NBD	•••••	NCP	
NBE		NCQ	
NBF	T. V. J. 1.V.	NCR	
NBG NBH NBI	Indianhead, Md	NCS .	
NBJ	Albanyb	NCT NCU	Buffaloh
NBK NBL	Alertb	NCW,	Burrowsb
NBM	.:	NCX	
NBN		NCY NCZ	Caesar b California b
NBO NBP	Ammenb	NDA NDB	Castineb Celticb
NBQ NBR	Annapolisb	NDC	
NBS		NDD	
NBT NBU	Arethusa. b	NDE NDF	
NBV	Arkansasb	NDG NDH	Chesterb Cheyenneb
NBW		NDI	Chicagob
NBX		NDJ	
NBY		NDK NDL	Cincinnatib
NBZ		NDM NDN	Cleveland b Colorado b
NCA		NDO	
NCB NCC NCD	New York b Texas b	NDP NDQ	Connecticutb
NCE NCF	Baileyb	NDR	
NCG	Politimore	NDS	
NCH NCI	Baltimoreb	NDT NDU	Culgoab
NCJ		NDV	<b></b>

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Station.	Call signal.	Station.
NDW		NFH	
NDX NDY	Cyclopsb	NFI	
NDZ	· · · · · · · · · · · · · · · · · · ·	NFJ	
NEA		NFK	
NEB		NFL NF <b>M</b>	Fanningb
NEC		NFN	
NED		NFO	
NEE		NFP	
NEF		NFQ NFR	Floridab
NEG		NFS	Flusserb
NEH	••••	NFT NFU	Rangerb
NEI	••••••	NFV	
NEJ NEK	Delawareb	NFW	
NEL NEM NEN	Denverb Des Moinesb	NFX NFY	
NEO NEP NEQ	Dixieb Dolphinb	NFZ NGA NGB	Columbiab Minneapolisb
NER		NGC NGD	Galvestonb
NES NET NEU	Drayton b Dubuque b	NGE NGF	Georgiab
NEV NEW		NGG NGH NGI	Glacier b Chattanooga b
NEX		NGJ NGK	Goldsborough b Marblehead b
NEY		NGL	
NEZ NFA	Brooklynb	NGM	
NFB NFC	Milwaukee b Eagle b	NGN	
NFD NFE	Elcanob Charlestonb	NGO	
NFF		NGP	!
NFG		NGQ	

Call signal.	Station	Call signal.	Station.
NGR		NIF	
NGS		NIG	
NGT NGU	Hannibalb	NIH NII NIJ	Aylwinb Balchb Benhamb
NGV	•••••	NIK NIL	Cassinb Cummingsb
NGW NGX	Hectorb	NIM NIN NIO	Cushing b Downes b Kansas b
NGY NGZ	Helenab	NIP NIQ NIR	Kearsarge b Kentucky b Duncan b
NHA	Henleyb	NIS	
NHB NHC NHD NHE	Hopkinsb Monadnockb Hullb	NIT NIU NIV	McDougal b Nicholson b O'Brien b
NHF NHG NHH	Amphitriteb	NIW NIX NIY NIZ	Lamson. b Parker. b Lawrence. b Lebanon b W:
NHI	Hancockb	NJA NJB NJC	Winslowb Louisianab
NHJ		-12	Decaturb
NHK		NJD	
NHL		NJE	••••
NHM		NJF	
NHN NHO	Illinoisb	NJG NJH	Macdonoughb
NHP NHQ	Indianab	NJI	
NHR	Thursha	NJJ	
NHS NHT	Iowab	NJK NJL	Maineb
NHU NHV	Irisb Iroquoisb	NJM	
NHW	210410101	NJN	
NHX		NJO	
NHY		NJP NJQ	Marietta b
NHZ NLA NIB	Bainbridgeb Jarvisb	NJR NJS NJT NJU	Mars b Maryland b Massachusetts b Mayrant b
NIC NID NIE	Jenkinsb Jouettb	NJV NJW NJX	Mayflowerb McCallb

Call signal.	Station.	Call signal.	Station.
NJY NJZ	Michigan	NLQ NLR	Cape St. Elias, Alaskac Rooseveltb
NKA		NLS	•••••
NKB		NLT	
NKC NKD	Minnesotab	NLU	
NKE	<b></b>	NLV	•••••
NKF NKG	Missourib Jacob Jonesb	NLW	
NKH		NLX	
NKI		NLY	•••••
NKJ	······································	NLZ NMA NMB	Nebraska b Nero. b
NKK NKL NKM NKN	Monaghan b Montana b Monterey b	NMC NMD NME	New Hampshireb
NKO NKP	Montgomeryb	NMF NMG NMH	New Jerseyb New Orleansb Newportb
		NMI	
NKQ			•••••
NKR		NMJ	••••••
NKS	••••	NMK	••••
NKT	•••••	NMI.	•••••
NKU	<b></b>	NMM NMN	North Carolinab
NKV	•••••	NMO	North Dakotab
NKW		NMP	
NKX NKY	Nashvilleb	NMQ	•••••
NKZ NLA	Navajob Nantucket Shoals Lightshipc	NMR NMS	Neptuneb
NLB NLC	Diamond Shoals Lightshipc Frying Pan Shoals Lightship.c	NMT	
NLD NLE	Relief Lightship 66 or 85b Relief Lightship 71 or 72b	NMU	
NLF NLG NLH NLI	Kukuib Relief Lightship 94 or 53b Pattersonb	NMV NMW	Ohiob
NLJ NLK	Explorerb Pathfinderb Bacheb	NMX	
NLL NLM NLN	Columbine b Cypress b Ellington b	NMY NMZ NNA	Oregon. b Brutus. b
NLO NLP	Azaiea. b Heald Bank Lightship. c	NNB NNC	Jason. b Jupiter. b

Call signal.	Station.	Call signal.	Station.
NND		NOO NOP	Paul Jonesb
NNE NNF NNG	Nereus. b Proteus. b	NOQ	
NNH	Leonidasb	NOR	•••••
NNI NNJ NNK	Justin. b Nanshan b	NOS NOT	Pittsburghb
NNL.		NOU	
NNM	Saturnb	NOV NOW	Peoria
NNN		NOX NOY	Perkinsb Perryb
NNO		NOZ	Petrelb
		NPA NPB	Cordova, Alaskac Sitka, Alaskac
NNP		NPC NPD	Puget Sound, Washc Tatoosh, Washc
NNQ		NPE NPF	North Head, Washc Cape Blanco, Oregc
NNR		NPG	Yerba Buena, Calc
NNS		NPH NPI	San Francisco, Calc Farallons, Calc
NNT	<b></b>	NPJ NPK	Balboa, Panamac Point Arguello, Calc
NNU		NPL NPM	San Diego, Calc Pearl Harbor, Hawaiic
NNV		NPN	Guam, Marianne Isldsc
		NPO NPP	Cavite, P. I
NNW	•••••	NPQ NPR	St.Paul, Pribilof Islds., Alaska.c Dutch Harbor, Alaskac
NNX		NPS NPT	Kodiak, Alaskac Olongapo, P. Ic
NNY		ÑPŪ	Tutuila, Samoac
NNZ NOA	Osceolab	NPV NPW	Eureka, Calc
NOB NOC	Abarendab Orionb	NPX	
NOD		NPY	St. George, Pribilof Islds., Alaskac
NOE		NPZ	
NOF		NQA	
NOG	Paducahb	NQB	,
NOH	•••••	NQC	
NOI	Denther	NQD	•
NOJ NOK NOL	Pantherb Pattersonb Patapscob	NQE .	Pompeyb
NOM NON	Patuxentb Pauldingb	1	

	,		
Call	Station.	Call	Station.
signal.		signal.	
NQH		NSF	
-			
NQI	•	NSG	
NQJ	Isla de Luzonb		
NQK	Potomacb	NSH	•••••
NQL	Machiasb	Not	
NQM NQN	Prairie	NSI	
NQO	Prestonb	NSJ	l
NQP	Princeton b	NSK	Yanktonb
ÑQQ	Monocacyb	NSL	Gloucesterb
NQŘ	Prometheusb	1.22	
NQS	Palosb	NSM	
NQT	Pampangab	1	
		NSN	
NQU	• • • • • • • • • • • • • • • • • • • •	3700	1
$\mathbf{NQV}$	Sacramentob	NSO	
NOW		Non	
NQW NQX	Yorktownb	NSP NSQ	Smith
NQY	Albatross b	NSR	Strangerb
11671	Albadoes	11010	buanger
NQZ		NSS	
NŘA	Algonquinb	NST	Solaceb
NRB	Bear b	NSU	Vixenb
NRC	Morrillb	NSV	Waspb
NRD	Androscogginb	NSW	South Carolinab
NRE	Senecab	NSX	South Dakotab
NRF	Snohomishb		
NRG	Greehamb	NSY	
NRH	McCullochb	3705	
NRI	Itascab	NSZ	
NRJ	Ossipeeb	NTA NTB	Ontariob
NRK		NTC	Sterrettb Stewartb
NRL	Tuscarorab	NTD	Rainbow b
NRM	Mohawkb	NTE	Raleighb
NRN	Manningb	NTF	St. Louis b
NRO	Onondagab	NTG	Sonomab
NRP	Apacheb		
NRQ	Miamib	NTH	
NRR	Pamlicob		
NRS	Seminoleb	NTI	•••••
NRT	Thetisb	NIMI	1
$\begin{array}{c} \mathbf{NRU} \\ \mathbf{NRV} \end{array}$	Acushnetb	NTJ NTK	Supply
NRW	Tallapoosab	NTL	Supplyb Sylphb
NRX	Comanche b Unalga b	NIL	Sylph
NRY	Yamacrawb	NTM	
NRZ	New London, Connc	11.111	
		NTN	I
NSA		l	
		NTO	
NSB		NTP	Salemb
	1	NTQ	San Franciscob
NSC		NTŘ	Saratogab
MOD		NIMO	
NSD		NTS NTT	Scorpionb
NCE	1	NTU	Reidb
NSE	1	" NIO	reid

Call signal.	Station.	Call signal.	Station.
NTV		NVG	
NTW NTX	Rhode Islandb	NVH	
NTY		NVI	
NTZ NUA	Roeb Tacomab	NVJ NVK	Vermontb
NUB NUC	Tallahasseeb	NVL NVM	Vesuviusb
NUD		NVN	Vicksburgb
NUE		NVO NVP	Villalobosb
NUF NUG	Tennesseeb	NVQ NVR	Virginiab
NUH NUI	Terryb	NVS NVT	Farragut b Vulcan b
NUJ		NVU	
NUK		NVV	
NUL		NVW	
NUM NUN	Tonapahb	NVX	
NUO		NVY	
NUP		NVZ	
NUQ	Trippeb	NWA	
NUR NUS	Truxtonb	NWB NWC	
NUT		NWD NWE	Warringtonb Washingtonb
NUU		NWF	
NUV		NWG NWH	West Virginiab Wheelingb
NUW NUX	Sotoyomob	NWI	Whippleb
NUY		NWJ NWK	Wilmington b
$\mathbf{NUZ}$		NWL NWM	Walkeb Wisconsinb
NVA		NWN	
NVB		NWO NWP	Wordenb
NVC		NWQ	Wyomingb
NVD NVE	Utahb	NWR	
NVF	Uncasb	NWS	1

Call signal.	Station.	Call signal.	Station.
NWT		NYE	H–3b
NWU		NYF NYG	K-1b K-2b
NWV		NYH NYI	K-3b K-4b
NWW		NYJ NYK	K-5b K-6b
NWX		NYL NYM	K-7b K-8b
NWY		NYN	
NWZ		NYO	
NXA		NYP	
NXB		NYQ	•
NXC		NYR	
NXD		NYS	
NXE		NYT	
NXF		NYU	
NXG		NYV	
NXH		NYW	
NXI		NYX	
NXJ		NYY	
NXK		NYZ	
NXL		NZA	, , , , , , , , , , , , , , , , , , ,
NXM		NZB	
NXN		NZC	
NXO	••••	NZD	
NXP	••••	NZE	
NXQ		NZF	
NXR NXS	TO 1	NZG	
NXT	E-1	NZH	
NXU NXV	F-1b F-2b	NZI	•••••
NXW NXX NXY	F-3b F-4b	NZJ	•••••
NXZ NYA	G-1b G-2b	NZK	•••••
NYB NYC	G-3b G-4b H-1b	NZL .	•••••
NYD	H-2b	NZM	

Call signal.	Station.	Call signal.	Station.
NZN		WBD	Santa Cruzh
3770		WBE	Caciqueb
NZO		WBF WBG	Boston, Mass
NZP		WBH	Venezuelah Colombiah
		WBI	D., L. & W. R. R. limited
NZQ		WBJ	train
NZR	1	WBK	Breakwater
-,		WBL	Buffalo, N. Y.
NZS		WBM	Redondo
		WBN	Ecuadorh
NZT		WBO	Nann Smith
NZU		WBP	Hermosah
		WBQ	
NZV	We him to D. O.	WDD	
NZW	Washington, D. Cc	WBR	Daltimana Md
NZX NZY	El Roscoeb Anchorage, Alaskac	WBS WBT	Baltimore, Md
1427	Anchorage, Alaska	WBU	Hoboken, N. J.
NZZ		WBV	Cabrillo
WAA	Alamedab	WBW	Burrwood, La
WAB	Admiral Evansb	WBX	Dover, N. J
WAC	Chicagob		
WAD	Victoriab	WBY	
WAE		WBZ	
WAF	Admiral Farragutb	WCA	Tionestab
		WCB	Juniatab
WAG		WCC	South Wellfleet, Mass
WAH	Dorab	WCD	Octorarab
WAI WAJ	Latoucheb Jeffersonb	WCE	
WAK	Valdezb	WCF	Favoriteb
WAL	Santa Anab	WCG	Brooklyn, N. Yc
*******		WCH	Boston, Mass
WAM		WCI	Newport, R. Ic
WAN	Northwesternb		
		WCJ	
WAO		WCK	Gettysburgb
WAP		WCL WCM	Mooremackb Calumet, Michc
WAI		WCN	North Landb
WAQ	1	11021	11010H Band
WAR	Cordovab	wco	
WAS		WCP	
WAT		WCQ	
WAU	Dolphinb	WČŘ	The Harvesterb
WAV	Sewardb		
WAW	Admiral Watsonb	WCS	
		WCT	Theodore Rooseveltb
WAX	AladalDaman	WCU	Conneautb
WAY	Admiral Deweyb	WCV	The Limitb
WAZ	Admiral Schleyb	WCW	Nokomisb
WBA WBB	Santa Clara b Santa Cecilia b	WCX	Cape May, N. Jc
WBC	Santa Cecinab	WCZ	Illinoisb
M DO	грация Овившив	1 77 ( 2)	IIIIIVID

		=	
Call signal.	Station.	Call signal.	Station.
WDA	Pere Marquetteb	WEU	
WDB	Pere Marquette 19b	WEV	Conneaut Harbor, Ohioc
WDC	Pere Marquette 17b	WEW	Marquette & Bessemer No. 1.b
WDD	Pere Marquette 18b	WEX	Marquette & Bessemer No. 2.b
WDE	Pere Marquette 20b	WEY	Alvinab
11 11	1 cro marquetto zo	WEZ	Ashtabulab
WDF		WFA	Georgiab
"" 22		WFB	Alabamab
WDG	<b></b>	WFC	Indianab
WDH	Petoskevb	WFD	Nevadab
WDI	City of South Havenb	WFE	Carolinab
WDJ	Lakeportb		
WDK	Lakewoodb	WFF	
WDL	Lakeland b	WFG	Arizonab
WDM	Duluth, Minnc	WFH	Virginiab
WDN	Ann Arbor No. 3b	WFI	Chicagob
WDO	Ann Arbor No. 4b	WFJ	Christopher ('olumbusb
WDP	Ann Arbor No. 5b	WFK	Frankfort, Michc
WDQ		WFL	
WDR	Detroit Mich c	WFM	Fort Morgan, Alac
WDS	Detroit, Michc City of Grand Rapidsb	''	2 or bronger, man
WDT	City of St. Josephb	WFN	1
WDŪ	Puritanb	1	
WDV	City of Benton Harborb	WFO	l
WDW	Hollandb	WFP	City of Erieb
		WFQ	City of Buffalob
$\mathbf{W}\mathbf{D}\mathbf{X}$		WFR	State of Ohiob
WDY	Lydoniab	WFS	Seeandbeeb
WDZ		WFT	
WEA	City of Cleveland IIIb	****	•••••
WEB	City of Mackinac IIb	WFU	1
WEC	City of Detroit IIb	WIG	•••••••••••
WED	Western Statesb	WFV	<b></b>
WEE	Eastern Statesb	WFW	Manitoub
WEF	City of Detroit IIIb	WFX	Missouri
WEG	City of St. Ignaceb	WFY	Sialiab
WEH	City of Alpena IIb		
	·	WFZ	
WEI		WGA	City of Seattleb
WEJ		· WGB	
WEK	Minnesotab	,,,,,,,	
1.11	Millinesoca	WGC	
WEL			
TTTT= -		WGD	
WEM		WGE	Spokaneb
WEN	North Americanb	WGF	Galateab
WEO	South Americanb	WGG	Tuckerton, N. Jc
West		WGH	Grand Haven, Michc
WEP		WGI	Ravallib
WEQ	1	Wat	
		WGJ	Champaga
WER		WGK	Curaçãob
		777.7	
WES		WGL	
WET		WGM	
" 13 I		II WOM	

Call signal.	Station.	Call signal.	Station.
WGN		WIM	Northern Pacificb
WGO	Chicago, Illc	WIN	Colusab
WGP	Presidentb		
WGQ	City of Pueblab	WIO	
WGR	Governorb	WIO	•••••
WGS	Senatorb	*****	i
WĞT	Congressb	WIP	<b> </b>
WĞÜ	Umatillab		
WGV	Galveston, Tex	WIQ	1
wav	Carveson, Tex	WIR	Great Northernb
WGW		WIS	E. R. Sterlingb
WGX	Queenb		
WGY	City of Topekab	WIT	<b></b>
		WÎÛ	Restorerb
WGZ	Guardianb	WIV	George E. Paddlefordb
WHA	Cape Hatteras (Buxton), N.C.c	wiw	J. N. Danzigerb
WHB	New York, N. Yc	WIX	St. Petersburg, Flac
WHC	Columbiab	WIA	St. 1 etersburg, Pla
WIII		WIY	
WHD	DLU-J-L-L- D-	WIZ	Danton Wash on Mich
WHE	Philadelphia, Pac	WJA	Benton Harbor, Michc
WHF		WJA	Gov. Forbesb
WHG	W. B. Flintb	WJB	l
WHH	St. Francesb	. *****	••••••
WHI	New York, N. Yc	WJC	l
WHJ	Sierrab	WJC	••••••
WHK	New Orleans, Lac	WJD	l
WHL	Venturab	Wan	
WHM	Sonomab	WJE	
*** ******	Sonoma	"""	
WHN	<b> </b>	WJF	
WHO	Colonb	ļ	
WHP	Mariposab	WJG	
$\mathbf{WHQ}$	Mackinac Island, Michc		
	, ,	WJH	
$\mathbf{WHR}$		l	
$\underline{\text{WHS}}$	Adeline Smithb	WJI	
$\mathbf{WHT}$	Whittierb		1
******		WJJ	
WHU		337777	
3371137		WJK	
WHV WHW	Mackinawb	WJL	
WHX	Humboldtb	1111	
W 1125	Humboldt	WJM	
WHY		11031	
*****		WJN	1
WHZ	<b> </b>		
WIA	Gold Shellb	WJO	l
WIB	Silver Shellb	,	
WIC	Pearl Shellb	WJP	
WID	Charles E. Harwoodb		
WIE	Edward L. Dohenyb	WJQ	
WIF	Herbert G. Wylieb		
WIG	Norman Bridgeb	WJR	
WIH	C. A. Canfieldb	1	
WII	Belmar, N. Jc	WJS	
WIJ		WJT	
WIK	Providenciab		1
WIL	Jim Butlerb	WJU	

Call signal.	Station.	Call signal.	Station,
MIA		WLQ	
wjw	Hoboken, N. J c	WLŘ	Floridianb
WJX	Jacksonville, Flac	WLS	Arboreanb
WJY		WLT	
WJZ WKA	Alaskan b	WLU	
WKB	Arizonanb	WLV	
WKC WKD	Californian b Dakotan b	WLW	
WKE WKF	Kentuckianb     Americanb	WLX	
WKG WKH	Georgian	WLY	
WKI	Isthmianb		
WKJ WKK	Kansanb	WLZ WMA	Multnomahb
WKL	Mexicanb	WMB	Mobile, Alac
WKM	Minnesotanb	WMC	Santa Ritab
WKN	Montananb	•	
WKO	Oregonianb	WMD	
WKP	Pennsylvanianb	WME WMF	Milwaukee, Wisc
WKQ WKR	Ohioanb	WMG	Celilob Wapamab
WKS	Columbianb	WMG	wapama
WKT	Texan b	WMH	
WKU	Hawaiianb	WMI	Minnesotab
WKV	Virginianb		
WKW	Artisanb	WMJ	
WKX	Missourianb	WMK	Hyadesb
WKY WKZ	Rockingham b	WML	Lurlineb
WAZ	Alamanceb	WMM WMN	Hilonianb Enterpriseb
WLA		WMO	Wilhelminab
11 1121		WMP	Matsonia b
WLB		WMQ	Manoab
$M\Gamma D$	New London, Connc Ludington, Michc	WMR	
WLE		WMS	
WLF		3373.675	
WLG	Richardb	WMT WMU	Anne Wb
WLH		WMV	*
WLI	Iaquab	WMW WMX	Manitowoc, Wisc Manistique, Michc
WLJ		WMY	Yucatanb
WLK		WMZ	
WLŁ		WNA	
WLM		WNB WNC	El Capitan b Carlos b
WLN		WND WNE	Windber b Nushagak b
WLO		WNF	Hattie Luckenbachb
WLP		WNG WNH	Lewis Luckenbachb
DI	***************************************	i. AA TATT	. Deats Dackenbach

Call signal.	Station.	Call signal.	Station.
WNI		woz	
WNJ	Navajob		
	A1 77	77770 A	Later the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second
$\underline{\mathbf{W}}\mathbf{N}\mathbf{K}$	Al-Kib	WPA	
$\mathbf{W}\mathbf{N}\mathbf{L}$	Diamond Headb Florence Luckenbachb	l	
WNM	Florence Luckenbachb	WPB	1
WNN	Corwinb	WPC	Tyeeb
			1 you
WNO	Pavlofb	WPD	Tampa, Flac
WNP	Pleiadesb	WPE	Tatooshb
WNQ		WPF	
	·	WPG	Goliahb
$\mathbf{WNR}$		WPH	S. M. Fischerb
$\mathbf{W}\mathbf{N}\mathbf{S}$	Kvichakb New York, N. Yc	[	
WNT	New York N Y	WPI	ł
WNU	New Orleans, Lac	, ,,,,,	
	New Orleans, Da	*****	
$\mathbf{W}\mathbf{N}\mathbf{V}$	Portlandb	WPJ	
wnw	San Ramonb	1	
	1	WPK	
WNX		WPL	Seafarer b
WNY		WPM	
11 11			
	1	WPN	Pioneerb
$\mathbf{W}\mathbf{N}\mathbf{Z}$		Ì	
WOA	Despatchb	WPO	
	,		
WOB	<u> </u>	WPP	
WOD			
	i .	WPQ	Zaporab
WOC .		WPŘ	Ensenada, P. R
		WPS	Starrb
WOD		WPT	Davenport, Iowac
WOD			N. D. D. Wa.
WOR		WPU	New Prague, Minnc
WOE			1
		WPV	
WOF			
		WPW	
WOG		WPX	Oneontab
WOH	Expansionb	WPY	Wallulab
	Alam Ol		T 1 To 134
WOI	Akron, Ohioc	WPZ	Joseph Pulitzerb
		WQA	Joseph Pulitzerb Inco No. 1b
WOJ		-	
WOK	Detroit, Michc	WAD	
WOL	Los Ángelesb	WQB	
WOL	Los Angeles	WQC	Caminob
TT/03.5			
WOM		WQD	•
WON	La Breab		
		WQE	l
woo	l	1 44 677	
		117013	
WOP		WQF	
WOF			
		· WQG	
$\mathbf{wo}_{\mathbf{Q}}$			
WOŘ	Californiab	WOL	
wos	Samson b	WQH	
		WQI	Costa Ricab
WOT	Coalingab	1	
$\mathbf{wou}$	Oregonb	WQJ	
wov	Venetiab	MAN	
wŏw	Henry J. Biddleb	1	
11 O W	Trom y J. Diddie	WQK	<b> </b>
****		1.4677	
wox			1
	\	$ $ $\mathbf{WQL}$	••••••
$\mathbf{WOY}$	I	WQM	Navassa Isd., W. Ic

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Station.	Call signal.	Station.
WQN		WRZ WSA	Ashtabula, Ohioe
WQO WQP	Canton, Ohioc	WSB	
$\mathbf{W}\mathbf{Q}\mathbf{Q}$ .		wsc wsd	Siasconset, Mass
WQR WQS	Speedwellb	WSE WSF WSG	Seagate, N. Y
WQT		WSH	
WQU WQV	Mt. Vernon, Ohioc	WSI WSJ WSK	Sault Ste. Marie, Michc John A. Hooperb Sagaponack, N. Yc
WQW	••••	WSL	Sayville, Long Island, N. Yc
WQX WQY	Yosemiteb	WSM WSN WSO	Centralia b Coronado b
WQZ WRA WRB	Henry T. Scottb	₩SP	
WRC	Berlinb J. B. Stetsonb	WSQ WSR	Reuceb
WRD WRE	J. A. Moffettb	WSS WST	St. Nicholas b Miami, Fla c
WRF WRG	Passagrilla, Flac	WSU WSV	Savannah, Gac
WRH WRI	Harvardb Paraisob	WSW WSX	Willametteb Klamathb
WRJ	Arolineb	WSY	Virginia Beach, Vac
WRK		WSZ WTA	Erskine M. Phelpsb
WRL		WTB WTC	Argyllb Lansingb
$\mathbf{W}\mathbf{R}\mathbf{M}$		. WTD WTE	Oleumb
WRN WRO	Isle Royal, Michc Dauntlessb	WTF WTG	Santa Maria. b Santa Rita. b
WRP	Defianceb Fearlessb Herculesb	WTH WTI	Cataniab
WRQ	Sea Roverb	WTJ WTK WTM	J. A. Chanslor
WRR		WTN WTO	Wm. F. Herrinb Frank H. Buckb
WRS		WTP WTQ	Scranton, Pac El Segundob
WRT	Geo. W. Elderb	WTŘ	Richmondb
WRU	Port Arthur, Texc	WTS	Col. E. L. Drakeb
WRV WRW	Allianceb	WTT WTU	Atlasb   S. O. Co. No. 91b
		WTV	Captain A. F. Lucasb
WRX WRY	Yaleb	WTW WTX	Maverick b Asuncion
	257°—16——5	WIA	. wormerstiere

Call signal.	Station.	Call signal.	Station.
WTY	S. O. Co. No. 93b	wwp	
WTZ	S. O. Co. No. 95b	WWE	Manchuriab
WUA	Fort Andrews, Mass	WWF	City of Parab
WUB	Fort Hancock, N. Jc	wwg	City of Sydneyb
wuc	Fort H. G. Wright, N. Yc	WWH	Newportb
WUD	Fort Leavenworth, Kansc	wwii	Pennsylvaniab
WUE	Fort Levett, Mec	wwj	Perub
WUF	Fort Monroe, Vac	wwĸ	Korea b
WUG	Fort Monroe, Va	wwL	San Jose b
wou	Tort Momoe, va	wwm	San Juan b
WUH		www	Mongoliab
WUI	Fort Riley, Kansc	********	Mongona
wuj	Fort Sam Houston, Texc	wwo	
WUK	Fort Stevens, Oregc		
WUL	Fort Totten N Y C	WWP	
WUM	Fort Totten, N. Y c Fort Wood, N. Y c	wwo	Aztecb
WUN	Fort Worden, Washc	wwĸ	Rose Cityb
WUO	Fort Winfield Scott, Calc	wws	Alaskab
WUP	Washington, D. C		
WUQ	Washington, D. C	WWT	l
WUR	Fort Morgan, Alac		
wus	Fort Rosecrans, Calc	WWU	
$\mathbf{WUT}$	Fort Caswell, N. Cc		
$\mathbf{w}\mathbf{u}\mathbf{u}$	Fort Adams, R. Ic	wwv	
$\mathbf{wuv}$	Fort Leavenworth, Kansc		
WUW	Fort Terry, N. Yc	www	
$\mathbf{W}\mathbf{U}\mathbf{X}$	Fort Crockett, Texc		
WUY	Fort San Jacinto, Texc	WWX	
WUZ	Brownsville, Texc	*********	
WVA	Circle City, Alaskac	WWY	
WVB	Fairbanks, Alaskac	3373777	
WVC	Fort Egbert, Alaskac	WWZ	Defaul
$egin{array}{c} \mathbf{WVD} \\ \mathbf{WVE} \end{array}$	Fort Gibbon, Alaskac	WXA WXB	Bufordb Crookb
WVF		WXC	Dixb
WVG	Kotlik, Alaskac	WXD	Kilpatrick b
WVH	Nulato, Alaskac	WXE	Liscumb
wvi	Petersburg, Alaskac	WXF	Loganb
wvj	Wrangell, Alaskac	WXG	Meadeb
** ***	Wiangen, Maska	WXH	McClellan b
WVK		WXI	Merrittb
WVL	Fort Frank, P. Ic	WXJ	Sheridan b
WVM	Fort Hughes, P. Ic	WXK	Shermanb
WVN	Fort Mills, P. Ic	WXL	Sumnerb
wvo	Davao, P. Ic	WXM	Thomasb
WVP	Fort Drum, P. Ic	WXN	Warrenb
WVQ	Fort Wm. McKinley, P. Lc		
WVŘ	Fort Wint, P. Ic	wxo	
wvs	Jolo, P. I		
$\mathbf{WVT}$	Malabang, P. I	WXP	
$\mathbf{w}\mathbf{v}\mathbf{u}$	Manila, P. Ic		,
wvv	Puerto Princesa, P. Ic	WXQ	
WVW	Zamboanga, P. Ic	WXR	Burnsideb
WVX	Cuyo, P. Ic		1
WVY	San Jose, P. Ic	WXS	
WVZ	Fort Mills, P. Ic	WXT	Joseph Henryb
WWA	Chinab	WXU	Navesinkb
WWB	Beaverb	W/V17	
wwc		WXV	General John M. Scofieldb
WWC	1	WXW	i deneral john m. bedheldb

			· <del></del>
Call signal.	Station.	Call signal.	Station.
wxx.		WZC WZD	Fort Whitman, Washc Fort Barrancas, Flac
WXY		WZE	Fort Constitution, N. Hc
		WZF	Fort Moultrie, S. C
WXZ		WZG	Fort De Russey, Hawaiic
WYA	General Royal T. Frankb		
WYB	General S. N. Millsb	WZH	ļ
WYC	Major Samuel Ringgoldb		
WYD	General Henry J. Huntb	WZI	•••••
WYE	General Henry Knoxb		
WYF	General E. O. C. Ordb	WZJ	T . T . T
WYG	Colonel Geo. Armistead b	WZK	Fort Dade, Fla
WYH	General Robert Andersonb	WZL	Steamship Buckroec
WYI	Captain Chas. W. Rowellb	WZM	Steamship Andersonc
WYJ	General A. M. Randolb		
WYK	General Harvey Brownb	WZN	
WYL	General R. B. Ayresb		
WYM	Captain James Fornanceb	wzo	
WYN	Renob	l	
WYO	Major Evan Thomasb	WZP	• • • • • • • • • • • • • • • • • • • •
WYP	Captain Gregory Barrettb	WZQ	General Timothy Pickeringb
$\mathbf{W}\mathbf{Y}\mathbf{Q}$	Major Albert G. Forseb	WZR	General Nathanael Greeneb
WYR	Lieutenant Geo. M. Harrisb	wzs	Henry Wilsonb
WYS	General G. W. Gettyb	WZT	General George H. Weeksb
WYT	Captain A. M. Wetherillb	WZU	Sprigg Carrollb
WYU	General Robt. Swartoutb	WZV	General J. M. Brannan b
WYV	General S. B. Holabirdb	WZW	General R. N. Batchelderb
WYW	General R. H. Jacksonb		
		WZX	
WYX	• • • • • • • • • • • • • • • • • • •	•	
WYY	General Richard Arnoldb	WZY	
WYZ	Captain T. M. Morrisonb		
WZA	Fort Screven, Gac	WZZ	1
$\mathbf{WZB}$	Fort Howard, Mdc		f.
		:	

# SPECIAL LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours.	Station controlled by—
Agricultural College, N. Dak.	9YG	300, 500*	P	x	N. Dak. Agr. College.
Aldene, N. J	2XL 7XU	300, <i>600</i> , 1800 300, <i>600</i> , 4000*	P P	X	Marconi Co. Universal High Power Telph. Co.
Ames, Iowa	9YI	<i>300</i> *	P	X	Iowa State College of Agr. and Mech. Arts.
Athens, Ohio Auburn, Ala		300, 425	P P	XX	Ohio Univ. Ala. Polytechnic Inst.
Auburn, N. Y	8YA	300, 440, 500, 600	P	(1)	Edward L. Colby (Colby's Telgh. School).
Bakersfield, Cal Battle Creek, Mich Beeville, Tex	8ZC	200, 425	P P P	X X X	Lindley Winser. Bert E. Clough. Ed. Nettleton.
Beloit, Wis Berkeley, Cal Berkeley, Cal	6XB 6XR	900* 200 to 3000* 300, 600*	P P P	X X X	Beloit College. Univ. of California. Frank Rieber.
Beverly Farms, Mass. Bozeman, Mont Buffalo, N. Y	1ZH 7ZD 8ZB	200, 300, 425, 600 200, 425 200, 300, 425, 600	P P	X	Wilbur H. Hardy.  R. Earl Dawes.  Nelson E. Holt.
Burlington, Iowa	9XL	500*	P	x	William W. Peters (Burlington High School).
Cambridge, Mass Cambridge, Mass Cambridge, Mass	1XO 1XP 1XU	300, 600* 300, 550, 600 600*	P P P	X X X	General Radio Co. George W. Pierce. Cutting & Washing-
Cambridge, Mass Canal Dover, Ohio Charleston, S. C	1YH 8ZX 4YC	300, 550, 600* 200, 450 300, 600	P P P	X X X	ton (Inc.). Harvard Univ. Harry S. Weber. The Citadel, S. C. Mil.
Chelsea, Mass Cincinnati, Ohio	1XC 8ZF	300, 600* 200, 425	P P P	X X	Acad. Wm. J. Murdock Co. Henry M. Rubel, jr.
Cincinnati, Ohio Cleveland, Tenn	8ZH 5ZH	425	P	X	Clayton M. Howe (Hughes High School). W. O. Horner.
Columbia, Mo	9Y8	300, 375	P	X	Univ. of Missouri (School of Engi-
Columbia, Mo Columbus, Ohio Dallas, Tex Davenport, Iowa	8YO 5ZC	425, 800	P	X X X	neering). Univ. of Missouri. Ohio State Univ. Frank M. Corlett. William H. Kirwan.

 $^{^1\,9}$  a. m. to 9.30 a. m.; 2 p. m. to 2.30 p. m.; and on Mondays, Wednesdays, and Fridays, 7 p. m. to 7.30 p. m.

# ${\bf Special \ Land \ Radio \ Stations, Alphabetically \ by \ Names \ of \ Stations-Continued}.$

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours.	Station controlled by—
Denver, Colo	9ZA	450, 500, 750	P	X	Capt. E. A. Smith (Co. A, Signal Corps, Colo. N. G.).
Danvar Colo	9ZD	200, 425	P	X	Edward C. Stockman.
Denver, Colo Denver, Colo	9ZF	425, 550, 800	P	X	Capt. E. A. Smith. (Co. A, Signal Corps, Colo. N. G.).
Eldora, Iowa	9ZI	200, 425	P	X	Donald R. Lewis.
Elmira, N. Y	8ZE	200, 425	P	X X X X	Harry E. Fitch.
Fall River, Mass	1ZF	200, 300, 425, 600	P	X	Harold C. Bowen.
Fargo, N. Dak	9YF	300, 600	P	X	Theo. L. Wanner.
Farmington, Conn	1ZZ	200, 300, 425, 600	P	X	David Lyon Moore.
Fayetteville, Ark	5YM	200, 400	P	X	Univ. of Arkansas.
Friendship Heights, Md.	3ZF	200, 250	P	X	John V. Purssell.
Fruitvale, Cal	6XN	300, 600*	P	X	National Wireless Telph. & Telgh. Co.
Gloucester, Mass	1XI	300, 600*	P	X	John Hays Ham- mond, jr.
Grand Coteau, La	5ZQ	450	P	X	St. Charles College.
Grand Forks, N. Dak.	9XN	1,500*	P	XX	Univ. of North Da- kota.
Hamilton, Ohio	8ZU	200, 300, 425	P	X	Doron Bros. Electric
Hartford, Conn	1ZM	200, 300, 425, 600	P	(¹) X	Hiram Percy Maxim.
Hartford, Conn	1ZT	200, 300, 425, 600	P	X	Clarence D. Tuska.
Hoquiam, Wash	7ZA	200, 300, 425, 600	P	X	Donald E. McGee.
Hyattsville, Md	3XR	300, 400, 600	P	X	J. Harris Rogers.
Indianapolis, Ind		200, 450	P	XX	James E. Weyant (Shortridge High
Iowa City, Iowa	9YA	500, variable under 600 and over 1600.	P	X	School). State Univ. of Iowa.
Ironton, Ohio	8ZG	200, 425	P	X	Henry W. Campbell.
Ithaca, N. Y	8XT	(*)	P	X	Cornell Univ.
Jacksonville, Ill	9YH	* to 425	P	X X X	Illinois Woman's Col- lege.
Kansas City, Mo	9XH	(*)	P	X	Harry D. Betz.
Kansas City, Mo	9XK	(*)	P	X	Robert R. Moore.
Kansas City, Mo	9YU	200, 300	P	X X X	Field Co. A, Signal Corps, Mo. N. G.
Key West, Fla	4XA	200, 600	P	XX	George W. Almour.
Lacey, Wash	7YS	300, 450, 600	P	X	St. Martin's College.
La Grande, Oreg	7ZH	200, 300, 425	P	X	Orland M. Heacock.
Lake Geneva, Wis	9YW	300, 425	P	X	Northwestern Mil. and Naval Acad.
Lake Geneva, Wis	9YX	300, 425	P	X	Northwestern Mil. and Naval Acad.
Lamoni, Iowa	9YO	200, 350, 425	P	X	Graceland College.
Lawrence, Kans	9XP	400, 550, 800*	P	X	Univ. of Kansas.
Lewiston, Mont	7ZC	200, 425	P	X	Arthur C. Campbell.
Lexington, Ky	9YL	500, 1800	P	X X X	Otto Holstein (Co. A, Signal Corps, Ky.
AND REPORT OF THE PARTY OF					N. G.).
Lexington, Mass	1ZD 8YL	200, 300, 425, 600	P	X	Samuel W. Dean. J. E. Collins.

¹7 p. m. to 10.30 p. m.

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 ${\bf Special \ Land \ Radio \ Stations, Alphabetically \ By \ Names \ of \ Stations-Continued.}$ 

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours.	Station controlled by—
Little Rock, Ark	5XF	(*)	P	x	Arthur R. McCreary.
Little Rock, Ark	5XO	625*	PPPPPPPP	X X X	Ed Cornish.
Los Angeles, Cal	6XL	600*	P	Ϊ́х	Y. M. C. A.
Los Angeles, Cal	6YL		P	Ϋ́	High School.
Louisville, Ill	9ZL	200, 425	P	(4)	Cecil Bridges.
Madison, Wis	9XM	2000, 2200	P	X	Univ. of Wisconsin.
Marion, Ohio	8ZD	200, 425	P	$\bar{\mathbf{x}}$	Keith Henney.
Marlboro, Mass	iXS	300, 600*	P	$\ddot{\mathbf{x}}$	Louis W. Stevens.
Media, Pa	3XÕ	300, 400, 600	P	İΫ	Simon Delbert, jr.
Memphis, Tenn	5XC	425, variable to 600	P	(¹) X X X X	Christian Bros. College.
Memphis, Tenn	5ZD	296	P	x	C. B. De La Hunt.
Minneapolis, Minn	9ZE	(*)	P P	X X X X	Philip E. Edelman.
Minneapolis, Minn	9ZM	200, 425	P	Ϋ́	Marc Frazer.
Mobile, Ala	5ZM	<i>200</i> , 300, 450	P	$\mathbf{\bar{x}}$	Ben W. Martin.
Montauk Long Is-	2XE	300, 600*	P	x	Western Electric Co.
Montauk, Long Island, N. Y.			_		
Montclair, N. J	2ZI	200, 325	P	X	Alfred P. Morgan (Adams-Morgan Co.).
Monterey, Cal	6XE	300, 600*	P P	X	National Radio Co.
Montgomery, Ala	5ZI	500, 1650, 1800	P	X	Wm. H. Amerine (1st Field Co., Signal Corps, Ala. N. G.).
Morgantown, W. Va.	8XG	650	P	x	C. W. Waggoner (W. Va. Univ.).
New Bedford, Mass	1ZN	200, 300, 425, 600	·P	(2)	Milton A. Baylies.
New Braunfels, Tex.		200, 450	P	(2) X	Arthur E. Mollen- hauer.
New Castle, Pa	8ZN	200, 425	P	x	R. L. Patch.
New Orleans, La	5XM	300, 600	Ď	T X	Marconi Co.
New Rochelle, N. Y.	2ZK	280, 425	P	Î	George C. Cannon.
New York, N. Y	2XG	300, 350, <i>600</i> , 850, 1800, 2506.	P	X X X X	Radio Telph. & Telgh.
New York, N. Y	2XH	300, 540, 600, 800	P	x	Walter G. Hudson.
New York, N. Y		300, 600, 1800	P	X	John H. Morecroft (Columbia Univ.).
New York, N. Y	2XN	300, 600	P	x	Alfred N. Goldsmith (College of the City of N. Y.).
Now York N W	OVD	/#\	TD	- V	Variani Ca
New York, N. Y New York, N. Y	2XR 2XU	(*)	P	X	Marconi Co.   Peter Cooper Hewitt.
New York, N. Y	2YM	40000.* 300, 400, <i>600</i> , 2400.	P	x	Y. M. C. A. Telgh.
New York, N. Y	2ZA	300, 450, 600	P	x	School. New York Police
Northampton, Mass.	1 <b>Z</b> L	200, 300, 425, 600	P	x	Dept. Dean A. Lewis and
Nutley N T	2ZH	200 450 600	P	v	Glen C. Sabin.
Nutley, N. J Oil City, Pa		300, 450, 600 200, 450	P	X	Arthur A. Hebert. Clarence M. Wickes
Omaha, Nebr	9XU	800	P	x	(Electra Club). Union Pacific R. R. Co.
Orono, Me	1XK	280, 590, 800	P	X	Univ. of Maine.
Oakland, Cal	6XC	300, 550, 600*	P	X	Lewis M. Clement.
Oakland, Cal	6XT	300, 600, 800*	P	ı X	Howard H. Tremble.

 $^{^1}$  11.55 a. m. to 1 p. m.; 6.30 p. m. to 11 p. m.  2  Continuous during day and from 6 p. m. to 9 p. m.

SPECIAL LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

[Variable wave lengths authorized for experimental purposes are indicated by an asterisk (*).]

Station.	Call signal.	Wave lengths.	Serv-	Hours.	Station controlled by—
Oxford, Ohio	8YR	200, 425	P P	$\mathbf{x}$	Miami Univ.
Pacific Grove, Cal	6ZB	300, 500, 600	P	X	Howard S. Bunting.
Philadelphia Pa	3XJ	300, 500, 600	P	Ÿ	St. Joseph's College.
Philadelphia, Pa Philadelphia, Pa	3XC		P	₩ i	
rilladelphia, ra		300, 480, 600*	F .	<b>1</b> ♣	Frank B. Chambers.
Philadelphia, Pa	3XP	300, 400, 600	P	<u> </u>	Simon Delbert, jr.
Philadelphia, Pa Pierre, S. Dak	9ZP	200, 425	P	X X X X X	Dana McNeil.
Pittsburgh, Pa	8XC	1800, 2100, 3000	P	X	Carnegie Inst. of Tech- nology. Frank Conrad.
Pittsburgh, Pa	8XK	450, 2000*	P	X	Frank Conrad.
Pittsburgh, Pa	8YI	300, 425	P	XX	Univ. of Pittsburgh.
Pittsburgh, Pa	8YZ	200, 450	P	$\overline{\mathbf{x}}$	Charles C. Dunning
Timbuigh, Ta	012	200, 400	•		(Peabody High
Dittofold Mass	170	1600 6000 6000	D	~	School).
Pittsfield, Mass	1XG	1600, 3000, 6000	£	<b>₽</b>	General Electric Co.
Port Chester, N. Y	2ZP	200, 300, 425, 600	P P P	X X X	John W. Hubbard.
Pottsville, Pa	8ZR	200, 425	P	X	Cotesworth M. Jack- son.
Providence, R. I	1ZP	200, 300, 425, 600	P	x	Ralph C. Watrous.
Pullman, Wash	7ŸI	500, 1750	P P	X	State College of Wash-
- unition, want		000,1700	-		ington.
Rapid City, S. Dak.	9XA	(*)	P	x	Claude C. Van Nuys
Taple City, S. Dak.	02121	( )	•	1	(S. Dak. School of Mines).
Ranid City S Dak	9ZR	200, 425	P	x	S. R. Halley.
Rapid City, S. Dak. Richmond, Va		500*	P P	X	Emple C Splett /Sig
Michigand, va	3ZK	300*		Α .	Frank S. Splatt (Sig-
D: 1 TT:11 37 37	0777	000 0500	-	707	nalCorp. Va.N.G.). Alfred H. Grebe.
Richmond Hill, N.Y		300, 3500	P P	XX	Alfred H. Grebe.
Ridgway, Pa	8XO	300, 425	P	A	W.P.Osterhout(Pitts-
					burgh Wireless
_			_	1	Equipment Co.).
Riverdale, Md			P	X	Frank A. DeGroot.
Riverdale, Md Rockford, Ill	9YB	200	P	XX	Rockford School of
,			_		Engineering.
Rock Island, Ill	9XR	300, 500*	P	l x i	Robert K. Karlowa
iwa ibialia, ili	02210	500,000	•	12	(Tri-City Radio Lab.).
Rockland, Me	1ZR	200, 300, 425, 600	P	v	Edward L. Norton.
Solt I also City IItah	6ZI	#00, 495	P P	T V	Stophon H. Boslov
Salt Lake City, Utah	021	200, 425	P	X X X	Stephen H. Besley.
Sait Lake City, Utan	6ZV	200, 300, 425	T.	<u>^</u>	Julian G. McCollom.
San Antonio, Tex	5ZF	300, 450, 600	P	(;)	Sidney Friedrich.
Salt Lake City, Utah San Antonio, Tex San Antonio, Tex	5ZR	200, 300, 450	P	(i) X	John C. Rodriguez.
San Diego, Cal	6YS	300, 500, 600	P	X	Southern Electrical Co.
San Francisco, Cal	6XA	300, 600*	P	$\mathbf{x}$	Howard G. Aylsworth.
San Francisco, Cal	6XH	300, 600*	P P	X	Wm. W. Hanscom.
San Francisco, Cal	6XI	300, 600*	P	T Y	Clarence W. Smith.
	6XO	300, 600*	P	v	Nat. Wireless Telph.
San Francisco, Cal	UAU	300,000	-	X X	& Tolch Co
Son Tona Cal	eVE	200 600*	ъ		& Telgh, Co.
San Jose, Cal	6XF	300, 600*	P P	X	Charles D. Herrold. Claude A. Lewis and
Savannah, Ga	4XL	300, 460, 560, <i>600</i>	r	Α	Ciaude A. Lewis and
		000#	_		Manning White.
Schenectady, N. Y.	2XA	500, 800*	P	<u>X</u>	E. M. Kinney.
Schenectady, N. Y	2XI	1600 to 10000*	P P P	X X X	General Electric Co.
Schenectady, N. Y	2YU	<i>300</i> , 2000	P	X	Walter L. Upson
					(Union College).
Schenectady, N. Y	2ZB	200, 300, 400, 500	P	x	Wallace L. Brooks.
Seattle, Wash		300, 600*	P P	$\left  egin{array}{c} \mathbf{X} \\ \mathbf{X} \end{array} \right $	Marconi Co.
~ course, it acit			-		



# Special Land Radio Stations, Alphabetically by Names of Stations—Continued.

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours.	Station controlled by—
Little Rock, Ark	5XF	(*)	P	X	Arthur R. McCreary
Little Rock, Ark	5XO	625*	P	X	Ed Cornish.
Los Angeles, Cal	6XL	600*	P	X	Y. M. C. A.
Los Angeles, Cal	6YL		P	X	High School.
Louisville, Ill	9ZL	200, 425	P	(1)	Cecil Bridges.
Madison, Wis	9XM	2000, 2200	P	(¹) X	Univ. of Wisconsin.
Marion, Ohio	8ZD	200, 425	P	X	Keith Henney.
Marlboro, Mass	1XS	300, 600*	P	X	Louis W. Stevens.
Media, Pa	3XO	300, 400, 600	P	XX	Simon Delbert, jr.
Memphis, Tenn	5XC	425, variable to 600	P		Christian Bros. Col- lege.
Memphis, Tenn	5ZD	296	P	XX	C. B. De La Hunt.
Minneapolis, Minn	9ZE	(*)	P	X	Philip E. Edelman.
Minneapolis, Minn	9ZM	200, 425	P	X	Marc Frazer.
Mobile, Ala	5ZM	200, 300, 450	P	X	Ben W. Martin.
Montauk, Long Island, N. Y.	2XE	300, 600*	P	X	Western Electric Co.
Montclair, N. J	2ZI	200, 325	P	X	Alfred P. Morgan (Adams-Morgan Co.).
Monterey, Cal	6XE	300, 600*	P	XX	National Radio Co.
Montgomery, Ala	5ZI	500, 1650, 1800	P	X	Wm. H. Amerine (1st
					Field Co., Signal
					Corps, Ala. N. G.).
Morgantown, W. Va.	8XG	650	P	X	C. W. Waggoner (W.
				100	Va. Univ.).
New Bedford, Mass	1ZN	200, 300, 425, 600	P	(2) X	Milton A. Baylies.
New Braunfels, Tex.	5ZB	200, 450	P	X	Arthur E. Mollen-
N 0 1 D	07737	200 105	-	37	hauer.
New Castle, Pa	8ZN	200, 425	P	XX	R. L. Patch.
New Orleans, La	5XM	300, 600	P	X	Marconi Co.
New Rochelle, N. Y.	2ZK	280, 425	P	X	George C. Cannon.
New York, N. Y	2XG	300, 350, 600, 850, 1800, 2506.	P		Radio Telph. & Telgh. Co.
New York, N. Y	2XH	300, 540, 600, 800	P	XX	Walter G. Hudson.
New York, N. Y	2XM	300, 600, 1800	P	X	John H. Morecroft
			-	204	(Columbia Univ.).
New York, N. Y	2XN	300, 600	P	X	Alfred N. Goldsmith (College of the City of N. Y.).
New York, N. Y	2XR	(*)	P	X	Marconi Co.
New York, N. Y	2XU	(*)	P	X	Peter Cooper Hewitt
New York, N. Y	2YM	40000.* 300, 400, 600, 2400.	P	x	Y. M. C. A. Telgh
					School.
New York, N. Y	2ZA	300, 450, 600	P	X	New York Police Dept.
Northampton, Mass.	1ZL	200, 300, 425, 600	P	X	Dean A. Lewis and Glen C. Sabin.
Nutley, N. J	2ZH	300, 450, 600	P	X	Arthur A. Hebert.
Oil City, Pa	8YW	200, 450	P	X	Clarence M. Wicker
OII OILY, 1 a	01 11	200, 100	1	A	(Electra Club).
Omaha, Nebr	9XU	800	P	X	Union Pacific R. R.
Orono, Me	1XK	280, 590, 800	P	X	Univ. of Maine.
		,,	- n	1 77	
Oakland, Cal	6XC	300, 550, 600* 300, 600, 800*	P	X	Lewis M. Clement.

 $^{^1}$  11.55 a. m. to 1 p. m.; 6.30 p. m. to 11 p. m.  2  Continuous during day and from 6 p. m. to 9 p. m.

Special Land Radio Stations, Alphabetically by Names of Stations—Continued.

[Variable wave lengths authorized for experimental purposes are indicated by an asterisk (*).]

Station.	Call signal.	Wave lengths.	Serv-	Hours.	Station controlled by—
Oxford, Ohio	8YR	200, 425	P	X	Miami Univ.
Pacific Grove, Cal Philadelphia, Pa Philadelphia, Pa	6ZB	300, 500, 600	P P	X	Howard S. Bunting.
Philadelphia, Pa	3XI	300, 500, 600	P	$\bar{\mathbf{x}}$	St. Joseph's College.
Philadelphia Pa	3XC	300, 480, 600*	P	Î	Frank B. Chambers.
Philadelphia, Pa	3XP	300, 400, 600	P	Î	Simon Delbert, jr.
Pierre, S. Dak	9ZP	200, 425.	P	🗘	Dana McNeil.
Pittsburgh, Pa	8XC	1800, 2100, 3000	P	X X X X X	Carnegie Inst. of Tech-
Pittsburgh, Pa	8X <b>K</b>	450, 2000*	P	v	nology. Frank Conrad.
Pittsburgh, Pa		300, 425	P	X X X	Univ. of Pittsburgh.
Pittsburgh, Pa	8YZ	200, 450	P	₩	Charles C. Dunning
i ittobuigu, i a	012	200, 400	•	Α.	Charles C. Dunning (Peabody High School).
Pittsfield, Mass	1XG	1600, <i>3000</i> , 6000	P	x	General Electric Co.
Port Chester, N. Y	2ZP	200, 300, 425, 600	P P P	X X X	John W. Hubbard.
Pottsville, Pa	8ZR	200, 425	P	Î	Cotesworth M. Jack-
·	0210	200, 420	•		son.
Providence, R. I	1ZP	200, 300, 425, <i>600</i>	P	X	Ralph C. Watrous.
Pullman, Wash	7YI	500, 1750	P	X	State College of Wash- ington.
Rapid City, S. Dak.	9XA	(*)	P	X	Claude C. Van Nuys (S. Dak. School of Mines).
Rapid City S Dak	9ZR	200, 425	P	x	S. R. Halley.
Rapid City, S. Dak. Richmond, Va	3ZK	200, 425 500*	P P	XX	Frank S. Splatt (Sig.
iwemiona, va	3211	000		A	Frank S. Splatt (Sig- nalCorp., Va.N.G.). Alfred H. Grebe.
Richmond Hill, N.Y	2ZV	300, 3500	ъ	v	Alfred H. Crebe
			P P	XX	W D Octob and Distan
Ridgway, Pa	8XO	300, 425		Λ.	W.P.Osterhout(Pitts- burgh Wireless
			_		_ Equipment Co.).
Riverdale, Md			P P	X	Frank A. DeGroot.
Riverdale, Md Rockford, Ill	9YB	200	P	$\mathbf{X}$	Rockford School of
·					Engineering.
Rock Island, Ill	9XR	300, 500*	P	$\mathbf{x}$	Robert K. Karlowa
,		,	_		(Tri-City Radio Lab.).
Rockland, Me	1ZR	200, 300, 425, 600	P	x	Edward L. Norton.
Salt Lake City, Utah	6ZI	200, 425	P	$\tilde{\mathbf{x}}$	Stephen H. Besley.
Salt Lake City, Utah	6ZV	200, 300, 425	P P P P	X X X	Julian G. McCollom.
Salt Lake City, Utah San Antonio, Tex	5ZF	300, 450, 600	P I	(1)	Sidney Friedrich
San Antonio, Tex	5ZR	200, 300, 450	Ď	\ \ \	Sidney Friedrich. John C. Rodriguez.
	6YS		P	<b>X</b> (;)	Southern Floatrical
San Diego, Cal		300, 500, 600		1	Southern Electrical Co.
San Francisco, Cal	6XA	300, 600*	P P P	X	Howard G. Aylsworth.
San Francisco, Cal	6XH	300, 600*	P	$\mathbf{X}$	Wm. W. Hanscom.
San Francisco, Cal	6XI	300, 600*	P	$\mathbf{x}$	Clarence W. Smith.
San Francisco, Cal	6XO	300, 600*	P	X	Nat. Wireless Telph.
San Jose, Cal	6XF	300, 600*	p l	Y	& Telgh, Co.
		200, 460 560 600	P P	X	Charles D. Herrold. Claude A. Lewis and
Savannah, Ga	4XL	300, 460, 560, 600	•	l	Manning White.
Schenectady, N. Y	2XA	500, 800*	P	$\mathbf{x}$	E. M. Kinney.
Schenectady, N. Y Schenectady, N. Y	2XI	1600 to 10000* 300, 2000	P P P	XX	General Electric Co.
Schenectady, N. Y.	2YU	300, 2000	Ρĺ	$\hat{\mathbf{x}}$	Walter L. Upson
		,	-		(Union College).
Schenectady, N. Y	2ZB	200, 300, 400, 500	P	$\mathbf{x}$	Wallace L. Brooks.
Seattle, Wash		300, 600*	P	$\hat{\mathbf{x}}$	Marconi Co.
			- '	'	

18 p. m. to 11.30 p. m.

 ${\bf Special \, Land \, Radio \, Stations, \, Alphabetically \, By \, Names \, of \, Stations-Continued.}$ 

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours.	Station controlled by—
Seattle, Wash	7XK	300, 600, 1000, 1400, 2000, 4000.*	P	X	Kilbourne & Clark Mfg. Co.
Seattle, Wash	7XM	300, 600, 1400*	P	X	Wireless Instrument Co.
Seattle, Wash	7XZ	600, 680*	P P	X	Univ. of Washington.
Shreveport, La Slingerlands, N. Y	5ZS 2XD	300, 425 300, 400, 550, 600, 1000.	P	X X X	Willis E. Antony. C. F. and B. V. Dietz.
Springfield, Ill	9 <b>Z</b> S	600, 1800	P P	X	Illinois Watch Co.
Springfield, Mass	1ZS 8ZM	200, 300, 425, 600	P	X	George U. Readio.
Springfield, Ohio Stillwater, Minn	9YM	200, 300, 450 200, 300, 425	P	x	Ross McGregor. Co. K, 3d Infantry, Minn. N. G.
St. David's, Pa	3 <b>Z</b> S	425, 500	P	$\mathbf{x}$	Charles H. Stewart.
St. Louis, Mo	9XC	700, 825	P P	X	Christian Bros. College.
St. Louis, Mo	9XV	850, 1200, 1500, 2000.	P	X	Washington Univ.
St. Louis, Mo	9XY	300, 600, 750, 1000.	P	X	St. Louis Univ.
State College, Pa	8XE	(*)	P P	(1) X	Pa. State College.
Summit, N. J	2XW	300, 450, 600, 700, 1000.	P	X	Frank N. Waterman.
Takoma Park, Md		500, 2000	P	X	Bliss Electrical School.
Tiffin, Ohio	8 <b>Z</b> T	200, 425	P P	(¹)	John J. Grossman.
Trinidad, Colo		450, 500, 750	P	X	E. A. Smith (Co. A, Signal Corps, Colo. N. G.).
University Place, Nebr.	9YD	300, 468	P	x	Nebraska Wesleyan Univ.
Upper Montclair,	2ZE	200, 325	P	X	Paul F. Godley.
Valparaiso, Ind	9XD	300, 600*	P	X	Dodge's Institute of Telgh.
Vancouver, Wash	7ZN	200, 300, 425, 600.	P	X	George H. Wallace.
Waco, Tex	5YG	200, 300, 600, 1625.	P	X	E. T. Genheimer (Waco High School Radio Club).
Washington, D. C	зүм	200, 300, 400	P	x	McKinley Manual Training School.
Washington, D. C	.3YN	200, 400, 1800	P	x	James E. Smith (National Radio School).
Washington, D. C	3ZH		P	$\mathbf{x}$	H. B. De Groot.
Washington, D. C	3ZW	200, 425	P	X X X	Walther A. Parks.
Washington, D. C Watchaug Pond, R.I.	1XW	200, 300, 425, 600	P	X	Ralph C. Watrous.
Wayne, Nebr	9YT	300, 425	P	_	U. S. Conn, president, State Normal School.
Westbrook; Me	1ZQ	200, 300, 425, 600	P	X X X	Wm. H. Rocheleau.
Westbrook, Me Wheeling, W. Va	8ZŴ	200, 450	P	$\mathbf{X}$	John C. Stroebel, jr.
Wichita, Kans	9YE	1700	P	X	Walter S. Ezell.
Wilkes-Barre, Pa	8ZS	200, 425	P	XX	John H. Stenger, jr.
Worcester, Mass	1YK	(*)	P	X	Worcester Polytech- nic Inst.
Worcester, Mass	1ZW	200, 425	P	X	Wm. H. Allison.

¹ 7 p. m. to 10.30 p. m.

# SPECIAL LAND RADIO STATIONS, GROUPED BY DISTRICTS.

Calleignal.	District and station.	Callsignal.	District and station.
	First district:		Third district—Continued.
1XC	Chelsea, Mass.	3X0	Media, Pa.
iXG	Pittsfield, Mass.	3XP	Philadelphia, Pa.
iXI	Gloucester, Mass.	3XR	Hyattsville, Md.
IXK	Orono, Me.	3YM	Washington, D. C.
IXO	Cambridge, Mass.	3YN	Washington, D. C.
1X <b>P</b>	Cambridge, Mass.	3ZD	Riverdale, Md.
ixs	Marlboro, Mass.	3ZF	Friendship Heights, Md.
iXU	Cambridge, Mass.	3ZH	Washington, D. C.
XW	Watchaug Pond, R. I.	3ZK	Washington, D. C. Richmond, Va.
iYH	Cambridge, Mass.	3Z8	St. Davids, Pa.
ìŸK	Worcester, Mass.	3ZW	Washington, D. C.
iZD	Lexington, Mass.		Fourth district:
izf	Fall River, Mass.	4XA	Key West, Fla.
1ZH	Beverly Farms, Mass.	4YZ	Charleston, S. C.
īZL	Northampton, Mass.		Fifth district:
1ZM	Hartford, Conn.	5XC	Memphis, Tenn.
izn	New Bedford, Mass.	5XF	Little Rock, Ark.
1ZP	Providence, R. I.	5XN	New Orleans, La.
1ZQ	Providence, R. I. Westbrook, Me.	5XO	Little Rock, Ark.
īZŘ	Rockland, Me.	5YA	Auburn, Ala.
1ZS	Springfield, Mass.	5YG	Waco, Tex.
1ZT	Hartford, Conn.	5YM	Fayetteville, Ark.
1ZW	Worcester, Mass.	5ZB	New Braunfels, Tex.
1ZZ	Farmington, Conn.	5ZC	Dallas, Tex.
	Second district:	5ZD	Memphis, Tenn.
2XA	Schenectady, N. Y.	5ZF	San Antonio, Tex.
2XD	Slingerlands, N. Y.	5ZH	Cleveland, Tenn.
2XE	Montauk, Long Island, N.Y.	5ZI	Montgomery, Ala.
2XG	New York, N. Y. New York, N. Y.	5ZM	Mobile, Ala.
2XH	New York, N. Y.	5ZN	Beeville, Tex.
2XI	Schenectady, N. Y.	5ZQ	Grand Coteau, La.
2XL	Alden, N. J.	5ZR	San Antonio, Tex.
2XM	New York, N. Y.	5ZS	Shreveport, La.
2XN	New York, N. Y.		Sixth district:
	New York, N. Y.	6XA	San Francisco, Cal.
	New York, N. Y.	6XB	Berkeley, Cal.
	Summit, N. J.	6XC	Oakland, Cal.
2YM	New York, N. Y.	6XE	Monterey, Cal.
2Y8 2YU	New York, N. Y.	6XF 6XH	San Jose, Cal.
2ZA	Schenectady, N. Y. New York, N. Y.	6XI	San Francisco, Cal.
	Schenectady, N. Y.	6XL	San Francisco, Cal.
2ZE	Upper Montclair, N. J.	6XN	Los Angeles, Cal. Fruitvale, Cal.
2ZH	Nutley, N. J.	6XO	
2ZI	Montclair, N. J.	6XR	San Francisco, Cal. Berkeley, Cal.
2ZK	New Rochelle, N. Y.	6XP	Oakland, Cal.
	Port Chester, N. Y.	6YL	Los Angeles, Cal.
$2\overline{Z}\overline{V}$	Richmond Hill, N. Y.	6YS	San Diego, Cal.
	Third district:	6ZB	Pacific Grove, Cal.
3XB	Takoma Park, Md.	6ZI	Salt Lake City, Utah.
3XC	Philadelphia, Pa.	6ZV	Salt Lake City, Utah.
3XJ	Philadelphia, Pa.	6ZW	Bakersfield, Cal.

# SPECIAL LAND RADIO STATIONS, GROUPED BY DISTRICTS—Continued.

Call signal.	District and station.	Call signal.	District and station.
	Seventh district:		Ninth district:
7XE	Seattle, Wash.	9XA	Rapid City, S. Dak.
7XK	Seattle, Wash.	9XB	Beloit, Wis.
7XM	Seattle, Wash.	9XC	St. Louis, Mo.
7XU	Algona, Wash.	9XD	Valparaiso, Ind.
7XZ	Soottle Week	9XE	
	Seattle, Wash.	9XH	Davenport, Iowa.
7YI	Pullman, Wash.		Kansas City, Mo.
7YS	Lacey, Wash.	9XK	Kansas City, Mo.
7ZA	Hoquiam, Wash.	9XL	Burlington, Iowa.
7ZC	Lewistown, Mont.	9XM	Madison, Wis.
7ZD	Bozeman, Mont.	9XN	Grand Forks, N. Dak.
7ZH	La Grande, Oreg.	9XP	Lawrence, Kans.
7ZN	Vancouver, Wash.	9XQ	Columbia, Mo.
	Eighth district:	9XŘ	Rock Island, Ill.
8XA	Ann Arbor, Mich.	9XU	Omaha, Nebr.
8XC	Pittsburgh, Pa.	9XV	St. Louis, Mo.
8XE	State College, Pa.	9XY	St. Louis, Mo.
8XG	Morgantown, W. Va.	9YA	Iowa City, Iowa.
8XK		9YB	Rockford, Ill.
8XO	Pittsburgh, Pa	9YD	University Place Nohr
	Ridgeway, Pa.	9YE	University Place, Nebr.
8XT	Ithaca, N. Y.		Wichita, Kans.
8XU	Ithaca, N. Y.	9YF	Fargo, N. Dak.
8YA 8YC	Auburn, N. Y. Ithaca, N. Y.	9YG	Agricultural College, N. Dak.
8YI	Pittsburgh, Pa.	9YH	Jacksonville, Ill.
8YL	Lima, Ohio.	9YI	Ames, Iowa.
8YO	Columbus, Ohio.	9YK	Indianapolis, Ind.
8YP		9YL	Tarinadan 17-a
	Athens, Ohio.	9YM	Lexington, Ky.
8YR	Oxford, Ohio.		Stillwater, Minn.
8YW	Oil City, Pa.	9YO	Lamoni, Iowa.
8YZ	Pittsburgh, Pa.	9YS	Columbia, Mo.
8ZB	Buffalo, N. Y.	9YT	Wayne, Nebr.
8ZC	Battle Creek, Mich.	9YU	Kansas City, Mo.
8ZD	Marion, Ohio.	9YW	Lake Geneva, Wis.
8ZE	Elmira, N. Y.	9YX	Lake Geneva, Wis.
$8\mathbf{ZF}$	Cincinnati, Ohio.	9 <b>Z</b> A	Denver, Colo.
8ZT	Ironton, Ohio.	9ZB	Trinidad, Colo.
8ZH	Cincinnati, Ohio.	9ZD	Denver, Colo.
8ZM	Springfield, Ohio.	9ZE	Minneapolis, Minn.
8ZN	New Castle, Pa.	9ZF	Denver, Colo.
8ZR	Pottsville, Pa.	9ZI	Eldora, Iowa.
8ZS	Wilkes-Barre, Pa.	9ZL	Louisville, Ill.
8ZT	Tiffin, Ohio.	9ZM	Minneapolis, Minn.
8ZU	Hamilton, Ohio.	9ZP	Pierre, S. Dak.
8ZW	Whooling W Vo	9ZR	Panid City & Dale
8ZX	Wheeling, W. Va.	9ZS	Rapid City, S. Dak.
OLLA	Canal Dover, Ohio.	840	Springfield, Ill.

#### AMATEUR RADIO STATIONS.

NOTE.—All amateur stations in this list, the power of which is rated up to 500 watts, are listed as 0.5 KW, and all stations, the power of which is rated from 500 to 1,000 watts, inclusive, are listed as 1.0 KW.

#### FIRST DISTRICT.

[Headquarters: Customhouse, Boston, Mass. The first district comprises the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.]

#### ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Powe
Marie Control	Direction of		Kw.
1EAI	Abels, Charles A	43 Nicollet St., Lowell, Mass	0.
1US	Achin, Horace, jr	30 Smith St., N. Attleboro, Mass Peaks Island, Maine	
1FT	Ackley, Edward P	Peaks Island, Maine	
IANH	Aldrich, George E	9 Simonds Rd., Melrose, Mass	
ISI	Alger, James W	Reading, Mass	
IUL	Allen, Edwin B	Westerly, R. I.	
KG	Allen, Franklin	125 Sycamore St., New Bedford, Mass.	
IJQ.	Allen, George H	16 Decem St. Welthern Mess	
	Allon T Wymon	16 Bacon St., Waltham, Mass	
1GM	Allen, J. Wyman	236 Hale St., Beverly, Mass	
IAAT	Allen, Laurence H	60 Dean St., Attleboro, Mass	
IPQ ITF	Allen, Percival R	147 Hancock St., Auburndale, Mass	
ITF	Allenson, George T	12 Railroad Ave., Valley Falls, R. I	
1EV	Almquist, Fritz A	333 Franklin St., Quincy, Mass	
	American Radio Association.		
	See Fowle, Herbert L.		
1KR	Anderson, Andrew R	29 Lewis St., Lynn, Mass	
IHN	Anderson, Andrew R Anderson, Daniel H	40 Oliver St., Everett, Mass	
IDK	Anderson, Herlbert	833 Norman St., Bridgeport, Conn	
1EID	Anderson, James H	17 Bartlett Rd., Belmont, Mass	
INA	Andonegui, Lane	27 Linnaen St., Cambridge, Mass	
IME	Angell, Otis P	20 Trowbridge St., Cambridge, Mass	
IOA	Anthony, Richard L.	336 College St., Lewiston, Me	
IKQ.	Armstrong, James B	15 Bradford Rd., Newton Highlands, Mass	
ES	Armstrong, Leroy W	135 Point St., Providence, R. I.	
ESV	Armstrong, James B Armstrong, Leroy W Ashland, Homer B	76 N. Union St., Burlington, Vt	
IJL	Ayres, Richard T	10 Common St., Charlestown, Mass	
IANB	Bacuinka, Peter L	10 Common St., Charlestown, Mass	
IANJ	Bailey, Charles E	51 Chestnut St., New Britain, Conn	
iww	Poiley Philip A	64 Washington St., Middletown, Conn	1
IANX	Bailey, Philip A Bailey, Willard L. Bailey, William M	59 Pobbing Rd Arlington Mace	
RJ	Dailoy William M	52 Robbins Rd., Arlington, Mass	-
1FC	Baker, C. Hall.	Torrington Point, Peaks Island, Me	
EMI	Daker, C. Hall	40 Cangot Arro Amboret Mose	
	Baker, J. Stannard Baker, Warren F.	40 Sunset Ave., Amherst, Mass	
IAAE	Balcom, Loris L	Noroton Heights, Conn	
IDN		60 Ferrest St. New Pritein Conn	1
IWE	Baldwin, James P	66 Forest St., New Britain, Conn. 82 Winthrop St., Medford, Mass. 19 Channing St., Newport, R. I	1
LG	Ballon, Willis H	82 Wilthrop St., Mediord, Mass	
IEA	Barker, Gulian D	19 Channing St., Newport, R. 1	
ENU	Barney, George C	R. F. D. NO. 7. Bangor, Me	
LF	Barrett, Bradford L	47 Forest St., Springfield, Mass	
IWJ	Barrett, John H	64 Lalayette Pl., Greenwich, Conn	1
ENF	Barth, Norbert E	546 W. Main St., New Britain, Conn	
IJK	Batchelder, Hugh M	92 Lake Ave., Melrose, Mass	
IAAZ	Bates, Roger E	184 Pine St., Wollaston, Mass	
IEMA	Bauer, Paul S	169 Lynn Shore Drive, Lynn, Mass	1
IGU	Baumann, Howard	24 Hale Ave., South Medford, Mass	
IY	Baxter, Horace M	160 Foster St., Brighton, Mass	
CZ	Bean, Harold W	82 S. Main St., Penacook, N. H	1
SL	Bearse, Edwin W	43 Cutter St., Somerville, Mass	
ABA	Beattle, Robert	21 County Rd., Everett, Mass	
AED	Beebe, William J	42 Ridgewood Pl., Springfield, Mass	
VZ	Becker, Carl W	56 Brookside Ave., Boston, Mass	
IW	Beckvold, Melvin P	87 Callender St., Dorchester, Mass	
OJ	Beecher, George E	416 Allen St., Springfield, Mass	
KW	Beering, Herbert A	61 South St., Jamaica Plain, Mass	
IVL	Belknap, Edward L	91 Vine St., Hartford, Conn	
HY	Bennett, Lawrence S Bennett, William F., jr	2 Lawrence St., Everett, Mass	
LQ.	There and MITTER TO 1	24 Spring St., Somerville, Mass	

#### FIRST DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Powe
			Kw.
LABK	Bent, Arthur E	84 Commonwealth Ave., Boston, Mass Naugatuck, Conn	
ENQ	Berger, Sherwood Bergmann, Malcolm P	Naugatuck, Conn	0.
HO	Berry, Gerald D	28 N Central Ave Wolleston Mass	190
EAH FI	Bernier Walter I	7 River St. Sanford Me	
UG	Berry, Gerald D. Bernier, Walter J. Bigelow, Fred C. Billotte, Louis C. Bilshop, Donald S. Bixby, Harold O. Black, Oliver M. Black, William R. Blackie, Norman E. Blake, Sidney S. Blake, William F. Blanchard, Chester T. Blanchard, Ralph N.	123 Chapel St., Saylesville, R. T.	J. N. W.
JN	Billotte, Louis C	10 Centennial Ave., Revere, Mass	
IQ EF	Bishop, Donald S	211 Washington St., North Attleboro, Mass	
EF	Bixby, Harold O	65 Hillside Ave., Arlington Heights, Mass	4 1
ATJ	Black, Oliver M	19 Charles St., Lawrence, Mass	
$_{ m KE}^{ m QK}$	Black, William R	32 Jefferson St., Newton, Mass	
KE	Blackle, Norman E	25 Flm St Westerly P T	Carr
KJ EAK	Blake William F	104 Rutherford Ave Charlestown Mace	
EO	Blanchard, Chester T	25 Ashmont St., Dorchester Center, Mass	
NB	Blanchard, Ralph N	25 Elm St., Westerly, R. I. 104 Rutherford Ave., Charlestown, Mass. 25 Ashmont St., Dorchester Center, Mass. 12 Harvard St., Whitman, Mass. 14 Leonard St., North Attleboro, Mass.	43
HA	Blanchard, Raymond C		
WV	Blank, Donald C	Greenwich, Conn.	1.
WV ABS	Blanchard, Ralph N	12 Dean St., Attleboro, Mass	
EMC	Bloom, Harry	682 20 St., Fall River, Mass	
EH	Plume Carl T	9 Adams St., Holyoke, Mass	
LB VH	Bollerer, Alexander V	77 Linwood St. New Britain Conn	
MB	Boudette, Clayton M	194 Elm St., Everett, Mass	P PAS
QN	Bloom, Harry Bloom, Philip H Blume, Carl T Bollerer, Alexander V Boudette, Clayton M Bowditch, Frederic C., jr Bowen, Harold C	14 Leonard St., North Attleboro, Mass Greenwich, Conn.  12 Dean St., Attleboro, Mass 682 2d St., Fall River, Mass. 9 Adams St., Holyoke, Mass. 8 Upham St., Revere, Mass. 77 Linwood St., New Britain, Conn 194 Elm St., Everett, Mass 164 Rawson Road, Brookline, Mass. 168 Belmont Ave., Fall River, Mass. 13 Belmont Ave., Camden, Me 6 Samoset St., Dorchester, Mass. Reading, Mass. (portable station)	0.1789
QN KO	Bowen, Harold C. Bowers, Maurice A. Bowers, William K.	168 Belmont Ave., Fall River, Mass	CTO
EAP	Bowers, Maurice A	13 Belmont Ave., Camden, Me	
EAP EAU	Bowers, William K	6 Samoset St., Dorchester, Mass	C CELL
KS	Boy Scouts of America, Troop 1.	Reading, Mass. (portable station)	
SX	Troop 1.  Boy Scouts of America, Troop 2. Brackett, Walter F. Bradbury, Lawson E. Bradin, Jack H. Bradshaw, Norwood V.	Cambridge, Mass	
RB	Brackett, Walter F	24 Maple St., Stoneham, Mass 138 Endicott Ave., Revere, Mass. 30 Highland St., Hartford, Conn. 56 Elm St., Putnam, Conn. 16 Centre St., New London, Conn.	
GJ	Bradbury, Lawson E	138 Endicott Ave., Revere, Mass	
WZ	Bradin, Jack H	30 Highland St., Hartford, Conn	1.
ESP	Bradshaw, Norwood V Bradshaw, Wesley B	16 Contro St., Putnam, Conn.	
AEJ EAJ	Braceill James I		000
ESM	Brassill, James J Brennan, Edward G	Bedford St., Stamford, Conn	
UR	Briggs, Stuart M	Bedford St., Stamford, Conn. 94 Walnut Pl., Brookline, Mass. 91 Marion St., Brookline, Mass.	
IS	Briggs, Stuart M	91 Marion St., Brookline, Mass	
LR		46 Church St., Hudson, Mass	123/17
ABI	Brockington, Harry G	69 Lincoln St., Laconia, N. H.	0
ATW	Brockington, Harry G. Brogan, Arthur R. J. Brothers, George W. Brown, Irving M.	12 Grigg St., Greenwich, Conn	1.
ATW ENT ASU	Brown Trying M	78 Central St., Hudson, Mass	
TX	Brown Louis	209 Rlackstone St., Providence, R. I	
OR	Brown, Randolph B	Dana, Mass.	
ANT	Buck, Richard C	44 Linden St., Reading, Mass	
ANT WA	Bueb, John J., jr	12 Maher Ave., Greenwich, Conn	
RG	Brown, Louis. Brown, Louis. Brown, Randolph B. Buck, Richard C. Bueb, John J., Ir. Buffington, William H. Burke Alan W.	46 Church St., Hudson, Mass. 69 Lincoln St., Laconia, N. H. 12 Grigg St., Greenwich, Conn. 78 Central St., Hudson, Mass. 269 Northrup St., Providence, R. I. 209 Blackstone St., Providence, R. I. Dana, Mass. 44 Linden St., Reading, Mass. 12 Maher Ave., Greenwich, Conn. 836 Maple St., Fall River, Mass. 40 Pollock Ave., Pittsfield, Mass. 59 Chatham Rd., Everett, Mass. 66 Pine St., Pittsfield, Mass.	1.
HI	Burke, Alan W	40 FOHOCK AVe., PIUSHeid, Mass	1.
LH	Burke, Alan W. Burke, Henry M. Burt, Jairus F. Burton, H. R. Bushee, Ward H.	59 Chatham Rd., Everett, Mass. 66 Pine St., Pittsfield, Mass. 60 Cummings Ave., Wollaston, Mass. 249 County St., Attleboro, Mass. 87 Glen Rock Ave., Malden, Mass. 31½ Broadway, New Haven, Conn. 14 Birch Hill Ave., Wakefield, Mass. 88 Kimaird St., Cambridge, Mass. 52 W. Liberty St., Waterbury, Conn. 52 Cherry St., Lynn, Mass.	
AAL	Burton, H. R	60 Cummings Ave., Wollaston, Mass	51-6
HH	Bushee, Ward H.	249 County St., Attleboro, Mass	
JE .	Bushway, George F. Butler, James T. Butterfield, George W. Buzzelle, Alfred R.	87 Glen Rock Ave., Malden, Mass	
AAQ	Butler, James T	31½ Broadway, New Haven, Conn	
IR	Butterfield, George W	14 Birch Hill Ave., Wakefield, Mass	
RS	Buzzelle, Alfred R	89 Kinnaird St., Cambridge, Mass	
ESB	Byron, Myles	52 W. Liberty St., Waterbury, Conn	
MV	Byron, Myles Caldwell, George W Caldwell, Raymond P. Campbell, Harold G.	52 Cherry St., Lynn, Mass 18 Morton St., Providence, R. I. 86 Kenwood St., Dorchester, Mass	
UF NU	Campbell Harold G	86 Kenwood St., Dorchester, Mass	
JO	I Campbell, James S	Northbridge, Mass	1.
ABL	Campbell, John A	9 Fairlee St., Somerville, Mass	
NV ATG ABY	Campbell, John A. Campbell, Margaret L. Carleton, Francis J.	14 High St., Rockport, Mass	1.45
ATG		34 Concord St., Charlestown, Mass	
ABY		8 Decatur St., Worcester, Mass	P. IT.
AAV	Carter, George T., Jr	080 Massachusetts Ave., Boston, Mass	
MD	Caswell Carlton T	106 Franklin St. Framingham Mass	
QE	Carr, Albert H. Carter, George T., jr. Cash, Wilson H. Caswell, Carlton T. Chace, Myron D.	7 Norwood St., Worcester, Mass	
GC	Chadwick, Gilbert L Champlin, Albert R	86 Kenwood St., Dorchester, Mass. Northbridge, Mass. 9 Fairlee St., Somerville, Mass. 14 High St., Rockport, Mass. 34 Concord St., Charlestown, Mass. 8 Decatur St., Worcester, Mass. 686 Massachusetts Ave., Boston, Mass. 3 Prospect St., Nantucket, Mass. 106 Franklin St., Framingham, Mass. 7 Norwood St., Worcester, Mass. 19 11th Ave., Haverhill, Mass. 74 Spring St., Westerly, R. I. 55 Washington Ave., Chelsea, Mass.	
mar	Champlin Albert D	71 Chring St Wootenly D T	
TTY	Champin, Albert R		

#### FIRST DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Power
GV8	CONTRACT OF		Kw.
1HC	Cheetham, Henry R. Cheever, Walter G. Chesbro, Everett L.	81 Avon St., Somerville, Mass	0
AAO	Cheever, Walter G	6 Aldersey St., Somerville, Mass	:
JV	Chesbro, Everett L	54 High St., Mystic, Conn	
HV	Chesbro, Everett L. Chisholm, Chesleigh C. Chutter, George A. Claffin, Harold M. Clark, Charles V. Clark, Bradford J. Clark, Lyman J. Clark, Wesley C. Clark, Wesley C. Clarkson, Charles N. Classical High School Clayton, Henry C.	81 Avon St., Somerville, Mass. 6 Aldersey St., Somerville, Mass. 54 High St., Mystic, Conn. Squantum, Mass. 67 Church St., Swanton, Vt. 160 College Ave., Waterville, Me. 25 Pierce Ave., Beverly, Mass. 49 Oak St. Hartford Conn.	1.
ĀQ	Claffin, Harold M	160 College Ave. Waterville Me	1.0
ABC	Clark, Charles V	25 Pierce Ave., Beverly, Mass.	1
WG MZ	Clark, Bradford J	49 Oak St., Hartford, Conn. Cuttyhunk Light Station, Goswold, Mass.	:
MZ	Clark, Lyman J	Cuttyhunk Light Station, Goswold, Mass	
QR	Clark, Wesley C		
ASN	Clark, Wesley C	High School, Arlington, Mass	
TS UP	Classical High School	Providence R. I	
PT	Clayton, Henry C. Clements, William B. Coggins, Paul P.	34 CHI St., Arlington, Mass. High School, Arlington, Mass. 17 Gibbs Ave., Newport, R. I. Providence, R. I. 1422 Washington St., Canton, Ohio. 29 Pemberton Sq., Boston, Mass. 350 Piedmont St., Waterbury, Conn. 193 Clapp St., Milton, Mass. 177 Wethersfield Ave., Hartford, Conn. 44 Carver Rd. Newton Heiplands, Mass.	
RM	Clements, William B	29 Pemberton Sq., Boston, Mass	
ASK	Coggins, Paul P	93 Homer St., Newton Center, Mass	
DJ	Cole, George E Coleman, Benj. B. B. Coleman, William F. Collins, W. Lovejoy.	350 Piedmont St., Waterbury, Conn	
NE WC	Coleman, Benj. B. B	193 Clapp St., Milton, Mass.	
JD	Collins W Loveicy	44 Carver Rd Newton Highlands Mass	1.
ASP	Colson, Helen B	Watertown High School, Watertown, Mass	1.
SN WQ	Colton, Robert H	768 North St., Pittsfield, Mass	1.
WQ	Conner, John A	7 Sellick St., Stamford, Conn	
DH	Cook, Lewis W	49 Pleasant St., Ansonia, Conn	
IDO	Cooks Grover C	44 Carver Rd., Newton Highlands, Mass. Watertown High School, Watertown, Mass. 768 North St., Pittsfield, Mass. 758 lifek St., Stamford, Conn. 49 Pleasant St., Ansonia, Conn. 460 W. Main St., Norwich, Conn.	
IJU	Coolikoff Jack	19 Carnes St., Lynn, Mass. 1 Chestnut St., Chelsea, Mass.	1.
IABT IFP	Coombs, George T	Castine, Me	
EMH	Copeland, Sylvester W		1 :7
los	Copeland, H. Depew	42 Huron Ave., Cambridge, Mass	
ISB	Corcoran, Thomas A	21 Putnam Ave., Cambridge, Mass	
PA AEG	Cornwell William I	24 Clark St. Combridge Mass	
EC	Cosgrove Fred I	57 Codar St., Cambridge, Mass	
ON	Cosgrove, Roland D.	14 Wright St., Cambridge, Mass.	1
ENE	Collins, W. Lovejoy Colson, Helen B. Colton, Robert H. Conner, John A. Cook, Lewis W. Cook, Witter T. Cooke, Grover C. Coolikoff, Jack. Coombs, George T. Copeland, Sylvester W. Copeland, H. Depew. Corcoran, Thomas A. Corliss, Raymond B. Cornwell, William J. Cosgrove, Fred J. Cosgrove, Fred J. Cosgrove, Roland D. Cosman, Howard E. Cote, Armand E.	656 2d St., Fall River, Mass.  24 Huron Ave., Cambridge, Mass.  21 Putnam Ave., Cambridge, Mass.  53 Allen Ave., Lynn, Mass.  24 Clark St., Cambridge, Mass.  57 Cedar St., Taunton, Mass.  14 Wright St., Cambridge, Mass.  190 Summer St., Fitchburg, Mass.  184 Harrison St., Pawtucket, R. I.  1 Monument St., Portland, Me.  98 W. Springfield St., Boston, Mass.  94 W. Main St., Plainville, Conn.  Castine, Me.	1.
OU AR	Cote, Armand E Couri, Arthur N	184 Harrison St., Pawtucket, R. I.	
AR	Court Arthur N	1 Monument St., Portland, Me.	1.0
EAD	Courtney, Roger D Cowles, Willard B	98 W. Springheld St., Boston, Mass	
FD	Crie, Oscar H.	94 W. Mam St., Planville, Conn Castine, Me Swains Wharf, Nantucket, Mass 10 Winthrop St., Everett, Mass East Harwich, Mass 12 Elmwood Rd., Swampscott, Mass 3 Vine St., Tilton, N. H. Prides Crossing, Mass 44 Faxon Rd., Atlantic, Mass. 24 Clark St., Cambridge, Mass 69 Oakland Ave., Arlington Heights, Mass	
EP	Crocker, Edmund P.	Swains Wharf, Nantucket, Mass	1.
EP QS PW	Crocker, Edmund P Croft, Theodore C	10 Winthrop St., Everett, Mass	
PW	Crosby, Carlton R. Crosby, Leslie W. Cross, Leon F.	East Harwich, Mass	1
ABQ	Crosby, Leslie W	12 Elmwood Rd., Swampscott, Mass	
AEY		Prides Crossing Mass	
NL	Curtis, Samuel. Custeau, Harry G Dallin, Edwin B Danehy, Edward J David, Harold E	44 Faxon Rd., Atlantic, Mass	
AAJ	Custeau, Harry G	24 Clark St., Cambridge, Mass	
ASD	Dallin, Edwin B	24 Cark St., January Berger, Mass. 25 Sargent St., Cambridge, Mass. 24 Belchertown Rd., Amherst, Mass. 301 Main St., Rockland, Me.	
QZ KD	Danehy, Edward J	25 Sargent St., Cambridge, Mass	
AY	Davies Oral E	201 Main St Rockland Ma	
AX	Davies, Orel E Davis, Clifton D Davis, Emery W Davis, Everett E Davis, Harold W	301 Main St., Rockland, Me.  8 Cedar Court, Wakefield, Mass.  1045 Beacon St., Newton Highlands, Mass.  10 St. Lawrence St., Portland, Me.  R. F. D. No. 2, Keene, N. H.  124 Pearl St., Somerville, Mass.  339 Beacon St., Somerville, Mass.  46 Alderman St., Springfield, Mass.  23 Grove Ave., Westerly, R. I.  Quincy St., Cambridge, Mass.  321 Greenwich Ave., Greenwich, Conn.  Hampton, N. H.	
ASL	Davis, Emery W	1045 Beacon St., Newton Highlands, Mass	
ATO	Davis, Everett E	16 St. Lawrence St., Portland, Me	
ASX	Davis, Harold W	R. F. D. No. 2, Keene, N. H.	
NO LY		124 Pearl St., Somerville, Mass	
EMV	Doon I Marchall	46 Alderman St. Springfield Mass	
EMV ATX	Daykin, Leo H. Dean, J. Marshall. Dean, Reginald L	23 Grove Ave., Westerly, R. I.	
LE	Dean, Samuel W	Quincy St., Cambridge, Mass	- :
VW	Dean, Samuel W	321 Greenwich Ave., Greenwich, Conn	1.
EMJ	De Lancey, Clyde P De Lancey, Clyde P De Lancey, Ralph B de Mars, Paul A Dewey, Kenneth C Dibhine Semuel A	Avine St., Lawrence, Mass. 4 Church St., Simsbury, Conn.	1.
IAEA	de Mars. Paul A	43 Vine St. Lawrence, Mass	
DM	Dewey, Kenneth C	4 Church St., Simsbury, Conn.	1.
ESK	Dibbins, Samuel A Dickson, William E Dieter, Dean C Dock, Luther Dedro Jesseh B	Everett, Mass.	
IAEE IATK	Dickson, William E	59 Hamden Circle, Quincy, Mass	
ATK	Dieter, Dean C	59 Hamden Circle, Quincy, Mass. 216 Lynn Fells Way, Melrose, Mass. 59 Granite St., Westerly, R. I. 126 School St., Manchester, Mass.	
IEMK IET	Dodge Teenb P	26 School St., Westerly, R. I.	
ESW	Dodge, William F	Bayerly, Mass	
IESW IOZ	Dodge, Joseph B. Dodge, William E Doe, Charles S. Dole, Arthur M.	Beverly, Mass. 291 Reesdale Rd., Milton, Mass 55 Buell St., Burlington, Vt. 32 Whittier St., Lynn, Mass.	
ICF	Dole, Arthur M.	55 Buell St., Burlington, Vt.	
IAAU	Donahue, Frank J	00 TTT 1441 - C4 T - 35	

#### FIRST DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Powe
1100	D II- G F	Carlo Marian Carlo	Kw.
1ABO 1EIZ	Donnelly, George F Donovan, Arthur B	AO Rigology Ave. Reckland Mass.	0.
1AE	Dow Horrison I	South Meriden, Conn.  49 Bigelow Ave., Rockland, Mass. 61 Oliver St., Rockland, Me. 20 Woburn St., Reading, Mass. 323 Edgewood Ave., New Haven, Conn. 306 Thurber Ave., Providence, R. I. 29 Washington St., New Britain, Conn. 40 Holyoke House, Cambridge, Mass. 303 Mt. Auburn St. Watertown Mass.	1.
1AE 1VG	Dow, John A. Downes, George H. Doyle, John B. Doyle, Walter J. Drake, Ervin T., jr. Drake, Nathan L. Drew, William E. Duchewin Albert W.	20 Wohurn St. Reading Mass	4000
1EAQ 1UO 1ATU 1PC	Downes, George H	323 Edgewood Ave. New Haven Conn	
IUO	Doyle, John B	306 Thurber Ave., Providence, R. I.	114
IATU	Doyle, Walter J	29 Washington St., New Britain, Conn.	Ur all
1PC	Drake, Ervin T., jr	40 Holyoke House, Cambridge, Mass	3.00
IATI	Drake, Nathan L	303 Mt. Auburn St., Watertown, Mass	1000
1AAF 1RP	Drew, William E	324 Central St., Auburndale, Mass	- 300
IRP IHZ	Duchemin, Albert W	324 Central St., Auburndale, Mass. 26 Pond St., Greenfield, Mass. 34 Foster St., Newtonville, Mass.	73.0E
IATB	Duchemin, Albert W. Duncan, Harrie E. Dunham, Carroll S.	Berlin Conn	199
IAM	Durnam, Carroll S.  Durette, Adolard J.  Durham, Wilson N.  Dwight, Harrison W.  Eastman, Damon L.	2 High St. Derry N H	639
IAE	Durham, Wilson N.	Near Oakland, Me.	14.73
1T.T	Dwight, Harrison W	24 Milwood St., Dorchester, Mass	633
iPK iEIN	Eastman, Damon L	Norfolk, Mass.	
1EIN	Eaton, Louis F	165 Belmont St., Brockton, Mass	
1EST	Eaton, Richard E	59 Lovett St., Beverly, Mass	
1HQ 1ID	Eaton, Louis F. Eaton, Richard E. Eberlein, George H.	34 Foster St., Newtonville, Mass. Berlin, Conn. 2 High St., Derry, N. H. Near Oakland, Me 24 Milwood St., Dorchester, Mass. Norfolk, Mass. 165 Belmont St., Brockton, Mass. 59 Lovett St., Beverly, Mass. 15 Hastings St., Greenfield, Mass. 489 Common St., Belmont, Mass. Kensington, Conn.	18713
IDT	Eddy, James C	Vengington Conn	
IDT	Edgerly, Albert H., Jr	26 Bushnell St. Wertford Conn	3
IENZ	Edmester Earle C	23 Reacon St. Everett Mass	
lQG lKB	Eberlein, George H Eddy, James C Edgerly, Albert H., jr Edison, Gerald H Edmester, Earle C. Edwards, Ralph E Ege, John F Ehler, Irwin H Ekwall, George O Eldredge, Clarence R Elliott, Thomas H., jr Engel, Richard B Entwistle, Guy R Entwistle, Guy R Entwistle, Warren R Ericson, Arthur E Erwin, William C. Estabrooks, Roland W	214 Bacon St., Waltham, Mass	1 10
IRN	Ege, John F.	153 Crest Ave., Revere, Mass.	1
IENM	Ehler, Irwin H.	33 S. Water St., New Haven, Conn	
1NC	Ekwall, George O	"The Standish," Waltham, Mass	1
OF	Eldredge, Clarence R	41 Lawrence St., Wakefield, Mass	
IHR	Elliott, Thomas H., jr	104 Claremont Ave., Arlington Heights, Mass	1.
IABD	Engel, Richard B	35 5th St., Medford, Mass	11175
IJJ IAER	Entwistle, Guy R	Mediord, Mass.	
1MF	Entwistle, Guy R	41 C St. Towell Mass	
IRD	Ericson Arthur E	Manchester Mass	
IANT	Erwin, William C	50 Beechwood Ave., Watertown, Mass	
IANI IEIO	Estabrooks, Roland W	33 Parkland Ave., Lynn, Mass	1.0
1AAY 1AJ	Etter, Earle F	25 Bickerstoff St., Boston, Mass	
lAJ	Estabrooks, Roland W Etter, Earle F Fabbri, Alessandro Fall River State Armorv. See Norwell, Joséph C. Farmer, Edward E.	Assument of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the contr	i.
1JT	Farmer, Edward E	15 Cotting St., Medford, Mass	1.
1EQ 1IJ	Farnum, Willis H	21 Walter St., Somerville, Mass	
IIJ	Farnum, Willis H Fassitt, Andrew J., jr. Fay, Arthur N	27 Walden St., Cambridge, Mass	
IANF	Fay, Arthur N	257 Broadway, Chicopee Falls, Mass	1.
IESF	Feeney, Etton U	20 Crost Ave. Portland, Me	
IESII	Fenno Stanley W	Rayera High School, Revers, Mass	
EAT ESU ATF	Fassitt, Andrew J., Jr. Fay, Arthur N. Feeney, Elton O. Feeney, Paul F. Fenno, Stanley W. Ferguson, Arthur W. Ferguson, Arthur W. Fitch, Clinton Fitch, Conover. Flaherty, Harold J. Flanders, Fred F. Flint, Arthur W. Flint, Carl O. Flint, Edward R. Fogg, George F. Folin, George G. Folsom, Owen E. Folinsom, Owen E. Foline, Herbert L. Frank, Louis G. French, Walter B.	52 Linden St., Everett, Mass	
IRO	Fernald, Wilder A	238 Hale St., Lowell, Mass	1
1ABF	Fitch, Clinton	22 Cottage Pl., Waterbury, Conn	1
ITJ IENY	Fitch, Conover	321 Hammond St., Newton, Mass	-10
IENY	Flaherty, Harold J	129 Essex St., Marlborough, Mass	1
HOL	Flanders, Fred F	9 Norway St., Boston, Mass	
IOH IAEB ITL IAZ	Flint Carl O	4 Urgh St. Wasterly R T	
147	Flint Edward R	Pagke Teland Ma	1
irw	Fogg. George F	52 Unham St., Melrose, Mass.	
ITW INI	Folin, George G.	133 Buckminster St., Brookline, Mass	
1PD	Folsom, Owen E	89 Hewlett St., Boston, Mass	
IPV IEMZ	Folsom, Rolfe A	76 Rockland Ave., Malden, Mass	
EMZ	Fortier, Ralph L	248 Fort Pleasant Ave., Springfield, Mass	
IAAK IENK	Fowle, Herbert L	Woodward Ave., Reading, Mass	
IENK IVJ	Frank Louis C	21 Summit Ave. Brookline Mass	
IGX	French Walter R	47 Varnum St. Lowell Mass	1
IGX IUJ	Frost Edgar W	2 Sheffield, Pennerell, Mass	1000
IDU	Frank, Louis G. French, Walter B. Frost, Edgar W. Frost, Russell S.	49 Winthrop St., New Britain, Conn	
IDU IKT	Fruch, Frederick G	962 South St., Roslindale, Mass.	
	Fuller, Clarence C	50 High St., Mansfield, Mass	1
lIH	Fuller Perry D	14 Conson St., Dorchester, Mass	1 6
IIH IKP	Tuller, Telly D		
IIH IKP ICS	Furlong, Joseph	85 Glen Rd., Boston, Mass	
1IH 1KP 1CS 1EAZ	Furler, Joseph P.	85 Glen Rd., Boston, Mass. 19 Tudor St., Lynn, Mass.	
IIH 1KP 1CS 1EAZ 1ESC 1RZ	Frost, Russell S Fruch, Frederick G Fuller, Clarence C Fuller, Perry D Furlong, Joseph Furrier, Joseph P Gage, Roger W Gallagher, Edward J Gardner, Chester R	15 Cotting St., Medford, Mass. 21 Walter St., Somerville, Mass. 27 Walden St., Cambridge, Mass. 28 Walden St., Cambridge, Mass. 257 Broadway, Chicopee Falls, Mass. 181 Allen Ave., Portland, Me. 80 Crest Ave., Revere, Mass. Revere High School, Revere, Mass. 22 Linden St., Everett, Mass. 238 Hale St., Lowell, Mass. 23 Hale St., Lowell, Mass. 22 Cottage Pl., Waterbury, Conn. 321 Hammond St., Newton, Mass. 129 Essex St., Marlborough, Mass. 9 Norway St., Boston, Mass. 4 Green St., Wakefield, Mass. 4 High St., Westerly, R. I. Peaks Island, Me. 52 Upham St., Melrose, Mass. 133 Buckminster St., Brookline, Mass. 89 Hewlett St., Boston, Mass. 76 Rockland Ave., Malden, Mass. 248 Fort Pleasant Ave., Springfield, Mass Woodward Ave., Reading, Mass. 8 Cedar Court, Wakefield, Mass. 21 Summit Ave., Brookline, Mass. 21 Summit Ave., Brookline, Mass. 31 Summit Ave., Brookline, Mass. 40 Winthrop St., New Britain, Conn. 962 South St., Roslindale, Mass. 14 Conson St., Lovell, Mass. 15 High St., Mansfield, Mass. 16 Appleton St., Lynn, Mass. 17 Tudor St., Lynn, Mass. 18 Aprice Mass. 18 Appleton St., Atlantic, Mass. 18 Spring Hill Ter., Somerville, Mass.	1

#### FIRST DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power.
A.			Kw.
ISF	Garrett, John D	645 Farmington Ave., Hartford, Conn	1.0
1UD	Cotos Horold C	261 Washington Ave., Providence, R. 1	. 5
1BF	Gates, Paul H	Franklin, Vt	. 5
1GV 1EAA	Gates, Paul H Gavill, Wilbur W. Gavin, Thomas H. Gawler, H. C. Gawler, Leonard M. Geer, Laurence P. George, Fldridge B.	West Chelmsford, Mass	.5
1EAA	Gavin, Thomas H	Poston Mass	. 0
1RI 188	Gawler, H. C	52 Heath St. Comerville Mass	
100	Coor Tourspace P	Barlin N H	.0
18K 1ANA 1NQ 1AAG	George Fldridge R	211 Areanal St Watertown Mass	
INO	Getchell Melvin D	14 Pleasant St., Arlington, Mass.	
IAAG	Ghen, Melville W	64 First St., Melrose, Mass	
TAEF	Gilman, Samuel	63 Chestnut St., Chelsea, Mass	
10G	Godfray, Carlton T	55 Homes Ave., Dorchester, Mass	. 5
lANG	Godfrey, Warren	117 Park St., West Roxbury, Mass	. 5
1PR 1CH	Golder, John	1 Ivy St., Boston, Mass	. 5
1CH	Gordon, Everett P	17 Crystal Ave., Derry, N. H	. 5
1AH	Goularte, Manuel L	R. F. D., Fairnaven, Mass	.0
1AAS	Gould, Clyde S	45 Magania St. Dookland Ma	. 0
1FA 1ENN	Could Palph W B	261 Washington Ave., Providence, R. 1 Franklin, Vt. West Chelmsford, Mass. 49 Lyon St., Fall River, Mass. Boston, Mass. Boston, Mass. Boston, Mass. Berlin, N. H. 211 Arsenal St., Watertown, Mass. 14 Pleasant St., Arlington, Mass. 64 First St., Melrose, Mass. 63 Chestnut St., Chelsea, Mass. 55 Homes Ave., Dorchester, Mass. 117 Park St., West Roxbury, Mass. 117 Crystal Ave., Derry, N. H. R. F. D., Fairhaven, Mass. 123 Hamilton Ave., Lynn, Mass. 145 Masonie St., Rockland, Me. Eastport, Me.	. 0
1ESA	Gowell Bert W	217 Randolph St., North Abington Mass	.55 .55 .55 .55 .55 .55 .55 .55 .55 .55
1WI	Grant Alfred A	571 Washington St., Brighton, Mass	. 5
IABG	Geer, Laurence P. George, Eldridge B Getchell, Melvin D Ghen, Melville W Gilman, Samuel. Godfray, Carlton T Godfrey, Warren Golder, John Gordon, Everett P Goularte, Manuel L Gould, Clyde S Gould, Clyde S Gould, Charles D Gould, Ralph W B Gowell, Bert W Grant, Alfred A Graves, William S Gray, Hollis L Gray, Roland C Gray, Roland C Gray, Walter B	45 Masonic St., Rockiand, Me Eastport, Me 217 Randolph St., North Abington, Mass 571 Washington St., Brighton, Mass Sunapee, N. H 59 Regent St., Roxbury, Mass 29 Vine St., Medford, Mass	. 5
1AAI	Gray, Arthur	59 Regent St., Roxbury, Mass,	. 5 . 5 . 5 . 5 . 5 . 5 . 5 . 5
1SR	Grav. Hollis L	29 Vine St., Medford, Mass	. 5
1ENX	Grav, Roland C	Orono, Me	5
TOT	Gray, Walter B	47 Leonard St., Rochester, N. H	. 5
INJ IUV IENH IFX IUA	Gray, Walter B. Greeley, Francis B. Greim, Arthur M. Grenier, Leonard J. Griffin, Stephen A. Guilmetta, Edward I.	Orono, Me. 47 Leonard St., Rochester, N. H. 50 Church St., Hudson, Mass. 24 Amory Ave, Boston, Mass 43 Hamlet Ave., Woonsocket, R. I. Peaks Island, Me.	. 5
1UV	Greim, Arthur M	24 Amory Ave., Boston, Mass	. 5
1ENH	Grenier, Leonard J	43 Hamlet Ave., Woonsocket, R. 1	1.0
1FX	Griffin, Stephen A	Peaks Island, Me	. 5
IUA	Guilmette, Edward J	White Diver Investor Vt	. 0
1BQ	Hackett, Harry S	St Angelms College Manchester N H	1.0
ITT IKY	Halli, P. Francis	98 Norgross Tar Lynn Mass	5.0
TAEH	Grillin, Stephen A. Guilmette, Edward J. Hackett, Harry S. Hahm, P. Francis. Hallett, Charles E. Halligan, William J.	23 Devens St., Charlestown, Mass.	.5
1AW	Ham Earle G	55 Chestnut St., Portland, Me	. 5
IFH	Ham, Earle G	21 Crosby St., Augusta, Me	1.0
OE	Hamilton, Charles F Hammett, Herbert M Hampton, William G	7 Pomona St., Springfield, Mass	. 5
1HM	Hammett, Herbert M	4 Blue Hill Ave., Roxbury, Mass	.5
IESG IENC	Hampton, William G	107 Grove St., Fall River, Mass	. 5
IENC	Hanks, Ruel C. Harding, David W. Hardy, Jack. Hardy, Ralph. Hardy, Rodney C. Hardy, Rodney C. Hardy, Rodney B.	17 Crosby St., Augusta, Me	1.0
IJR	Harding, David W	Vineyard Haven, Mass	. 5
IPE IEAC	Hardy, Jack	Littleton, Mass	. 0
IEAC	Hardy, Raiph	29 Cross Ct. Arlington Moss	. 0
	Hardy, Rodney C	Newtonville Mass	. 0
IEIS	Harrie Nathan G	94 Hudson St. Hartford Conn	. 5
IASJ IAF	Hart Emery A	80 Melborne St., Portland, Me	. 5
IPM	Hartwell E. G	High School, North Attleboro, Mass	. 5
IESQ.	Harray, Rodney C Harrington, Charles B Harris, Nathan G Hart, Emery A Hartwell, E. G Hasbrouck, Louis	24 Amory Ave, Boston, Mass. 43 Hamlet Ave., Woonsocket, R. I. Peaks Island, Me. 343 Mason St., Woonsocket, R. I. White River Junction, Vt. St. Anselms College, Manchester, N. H. 28 Norcross Ter., Lynn, Mass. 23 Devens St., Charlestown, Mass. 25 Chestnut St., Portland, Me. 21 Crosby St., Augusta, Me. 7 Pomona St., Springfield, Mass. 4 Blue Hill Ave., Roxbury, Mass. 107 Grove St., Fall River, Mass. 107 Grove St., Fall River, Mass. 117 Crosby St., Augusta, Me. Vineyard Haven, Mass. 119 Parkman St., Boston, Mass. 38 Gray St., Arlington, Mass. Newtonville, Mass. 94 Hudson St., Hartford, Conn. 80 Melborne St., Portland, Me. High School, North Attleboro, Mass. 130 N. Pleasant St., Amherst, Mass. Essex, Mass. 220 Lexington St., Belmont, Mass. 86 Elm St., Portland, Me. 171 Oxford St., Portland, Me. 171 Oxford St., Portland, Me. 172 Nass. 173 Mass. 174 Chester Ave., Warblehead, Mass. 175 Mass. 175 Mass. 175 Mass. 176 Atlantic Ave., Marblehead, Mass. 177 Mass. 177 Mass. 177 Mass. 178 Mass. 179 Mass. 179 Mass. 179 Mass. 170 Mass. 170 Mass. 170 Mass. 170 Mass. 171 Pittfield, Mass.	.5 .5 .5 .5 .5 .5 .5 .5
IVO	Haskill, Shirley D. Haskins, Frederic C. Hatch, James F. Hatch, Roland J. Hatfield, Samuel J.	Essex, Mass	1.0
ILK IAY	Haskins, Frederic C	220 Lexington St., Belmont, Mass	. 5
IAY	Hatch, James F	86 Elm St., Portland, Me	.5
IFK IATP	Hatch, Roland J	171 Oxford St., Portland, Me	. 5
IATP	Hatfield, Samuel J	30 Fleasant St., Arlington, Mass	- 5
ISY	Hatheu, Samuel D Hayden, Kenneth L Hayward, Edward E, jr Heffernan, Edmund J	44 Chester Ave. Winthrop Mass	. 5
IAEV	Hayden, Kenneth L	4 Pembroka St. Nawton Mass	. 5
EIH	Hayward, Edward E., Jr	260 Main St. New Pritain Conn	1.0
EMQ	Heidel Edward O	20 Hollister St Pittsfield Mass	.5
IASZ	Hendrick E. Allen	52 Warner St., Springfield, Mass.	.5
OC	Henry, Hugh M	Rochester, Vt	. 5
JY	Herland, John N	48 Brush Hill Rd., Mattapan, Mass	. 5
SW	Hersey, Ralph H	2 Harborview Ave., Salem, Mass	1.0
ABU	Hertz, William F. C., jr	57 S. Water St., New Haven, Conn	. 5
QV ESS	Heiternan, Edmind J Heidel, Edward O. Hendrick, E. Allen Henry, Hugh M. Herland, John N Hersey, Ralph H. Hertz, William F. C., ir Heyman, Harry Hick, Harry R.	4 Pembroke St., Newton, Mass. 369 Main St., New Britain, Conn. 29 Hollister St., Pittsfield, Mass. 52 Warner St., Springfield, Mass. Rochester, Vt. 48 Brush Hill Rd., Mattapan, Mass. 2 Harborview Ave., Salem, Mass. 57 S. Water St., New Haven, Conn. 15 Congress St., Springfield, Mass. Rock Hill, Conn. Penikese, Mass.	.5
ESS		Rock Hill, Conn	
ENW	Hicks, George B	Penikese, Mass.	.5
GI	Higgins, Charles A	17 Fond St., Waltham, Mass	. 5
FV	Hill Harold F	226 Chestrut St., Cambridge, Mass	. 5
OK	Hill William I	601_A Columbia Rd Dorchester Mass	.5 .5 .5
NH	Hilliard Dana S	301 Hanover St., Fall River, Mass.	.5
CJ	Higgms, Charles A Hill, Harold F Hill, Harold F Hill, William J Hilliard, Dana S Hillson, Robert E Himes, Norman E	Penikese, Mass. 17 Pond St., Waitham, Mass. 171 Auburn St., Cambridge, Mass. 236 Chestnut St., Cambridge, Mass. 691-A Columbia Rd., Dorchester, Mass. 301 Hanover St., Fall River, Mass. 661 Maple St., Fall River, Mass. 17 Asylum St., Norwich Conn.	. 5
	AMARABULA ANDRON V AZ	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	1.0

#### FIRST DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power
		1647 Boulevard, West Hartford, Conn. 11 Waller Court, New London, Conn. 106 Arlington St., Manchester, N. H. 28 Armstrong St., Jamaica Plain, Mass. 24 Wachusett St., Worcester, Mass. 8 Estrella St., Jamaica Plain, Mass. Greenwich, Conn. 36 Moody St., Portland, Me. 117 Spring St., Windsor Locks, Conn. 26 Trenton St., Melrose, Mass. 21 Rockledge Rd., Newton Highlands, Mass. 11 Florida St., Springfield, Mass. 118 High St., Newburyport, Mass. 239 Broadway, Newport, R. I. Unionville, Conn. 42 Austin St., Newtonville, Mass. 38 Main St., Dexter, Me. 11 Fair Oaks Ave., Newtonville, Mass. 48 Khool St., Keene, N. H. R. F. D. No. 3, Presque Isle, Me. 222 Eastern Ave., Gloucester, Mass. 484 Hope St., Providence, R. I. 17 Center St., Jaconia, N. H. 42 Madison Ave., Newtonville, Mass. 3 Orange St., Newburyport, Mass. 19 Nevens St., Portland, Me. 21 Illinois St., Central Falls, R. I. 11 Fearless Ave., Lynn, Mass. 59 Glenwood Ave., Pittsfield, Mass. 7 Holten St., Danvers, Mass. Corinna, Me. West Bridgewater, Mass.	Kw.
1WS	Hitchcock, Howard A	1647 Boulevard, West Hartford, Conn	0. 8
1LP 1CD	Hitchcock, Richard C	11 Waller Court, New London, Conn	
ICD	Hitchcock, Howard A. Hitchcock, Richard C. Hitchcock, William H. Hoeffner, Frank A.	106 Arlington St., Manchester, N. H.	1.0
1PB	Hoeffner, Frank A	28 Armstrong St., Jamaica Plain, Mass	
LMN LUU	Hodgdon, Milo L. Hoffmann, Harry J. Hoggson, Wallace. Holbrook, Frank L. Holcomb, Herbert A.	8 Estrella St. Jamaica Plain Mass	
WV	Hoggson Wallace	Greenwich Conn	
INY	Holbrook Frank L	36 Moody St., Portland, Me	
IATY	Holcomb, Herbert A	117 Spring St., Windsor Locks, Conn.	11000
IATY IKX	Holt, Clarence J	26 Trenton St., Melrose, Mass	
IAET IFW IEMT	Holmes, Phillip B	21 Rockledge Rd., Newton Highlands, Mass	
IFW	Holton, Albert M	11 Florida St., Springfield, Mass	
EMT	Hoopes, Thomas T	118 High St., Newburyport, Mass	
IRA	Hood, Kalph S	7 ASI St., Danvers, Mass	
ITI IVQ IJB	Horgan, T. Francis	Unionville Conn	
UVQ	Hovenden Herbert C	49 Austin St Nawtonvilla Mass	
IOT	Hovey Arthur T	74 Woodcliff St. Boston, Mass	
1QT 1ESO	Howard, Frank W	38 Main St., Dexter, Me.	1
GL	Howe, Bradford L	11 Fair Oaks Ave., Newtonville, Mass.	
GL BX	Howe, Reginald F	94 School St., Keene, N. H	
BU	Holcomb, Herbert A Holt, Clarence J Holmes, Phillip B Holton, Albert M Hoopes, Thomas T Hood, Ralph S Horsfall, George W Hovenden, Herbert C Hovey, Arthur T Howard, Frank W Howe, Bradford L Howe, Reginald F Hoyt, Lowell P Hudder, Paul B Hull, Elliott B Hunkins, Fred L Hunt, Alfred W Huntington, Charles E	R. F. D. No. 3, Presque Isle, Me	
EIP	Hudder, Paul B	222 Eastern Ave., Gloucester, Mass	
UX IAEP	Hull, Elliott B	484 Hope St., Providence, R. 1	
AEP	Hunkins, Fred L	42 Modigon Ave. Newtonville Mage	
IQY IATH	Hunt, Alfred W	127_A Relmont St Everett Mass	
ATT	Huntington Charles F	2 Orange St. Newhurvnort. Mass	The state of
IAU	Huntington, Charles E Huston, Robert D	19 Nevens St., Portland, Me.	
ABX	Hutchins, Albert G., ir.	42 Illinois St., Central Falls, R. I.	
ANP	Hyde, Charles E	11 Fearless Ave., Lynn, Mass	
NS	Hyde, Irving B	59 Glenwood Ave., Pittsfield, Mass	
NN	Ingalls, George A	7 Holten St., Danvers, Mass	
EMO	Ireland, Wilbur E	Corinna, Me.	
MA	Huntington, Charles E Huston, Robert D. Hutchins, Albert G., jr Hyde, Charles E Hyde, Charles E Hyde, Irving B Ingalls, George A Ireland, Wilbur E Irwin, Samuel D Isherwood, William L Jackson, Edward A Jacques, Arthur E Jaques, Louis A Jennings, W. Francis, jr Jensen, Leonard C Jepson, Warren F Jette, George E Johnson, Arthur A Johnson, Edward C., jr Johnson, George W Johnson, Gilbert W Johnson, Gilbert W Johnson, Thurston A Jordan, Richard Judkins, Nathaniel B Justice, Francis C Karl, Henry J Keller, Adrian C Kellev, Lawrence E	59 Glenwood Ave., Pittsfield, Mass. Corinna, Me. West Bridgewater, Mass. Owners, Mass. 15 School St., New Bedford, Mass. 15 School St., New Bedford, Mass. 15 School St., NewBedford, Mass. 15 School St., Somerville, Mass. 17 Mass. 18 Sewell Woods Rd., Melrose Highlands, Mass. 19 Sewell Woods Rd., Melrose Highlands, Mass. 11 Mt. Vernon St., Providence, R. I. 3 Perkins St., Melrose, Mass. 161 Summer St., Central Falls, R. I. Cromwell, Conn. 198 Randolph Ave., Milton, Mass. 135 Pleasant St., Brunswick, Me. 63 Trinity St., New Britain, Conn. 75 Ontario St., Providence, R. I. 123 Winthrop St., Winthrop, Mass. 128 Baldwin St., Cambridge, Mass. 1474 Pawtucket Ave., Rumford, R. I. 148 Tremont St., New Bedford, Mass. 4-A Pleasant Ave., Somerville, Mass. 55 Saunders St., Allston, Mass. 8 O St., South Boston, Mass. Ivoryton, Conn. Presque Isle, Me. 54 Parker St., Lexington, Mass. 18 Sherman St., Portland, Me.	555555555555555555555555555555555555555
LD	Isnerwood, William L	15 School St., New Bedlord, Mass	- 5
LD TM EAR	Jackson, Edward A	52 Newton St Marlhoro Mass	
GB	Jagues Louis A	57 Jaques St., Somerville, Mass	1
II	Jennings, W. Francis, ir	89 Sewell Woods Rd., Melrose Highlands, Mass	
TP	Jensen, Leonard C	17 Mt. Vernon St., Providence, R. I	1.
TP KA	Jepson, Warren F	3 Perkins St., Melrose, Mass	
UE	Jette, George E	161 Summer St., Central Falls, R. I	
DA	Johnson, Arthur A	Cromwell, Conn.	
HJ	Johnson, Edward C., jr	198 Randolph Ave., Milton, Mass	1.0
ENB	Johnson, George E	62 Trinity St New Pritain Conn	
ENS	Johnson Gilbert W	75 Ontario St. Providence R I	1.0
MK	Johnson, Thurston A	123 Winthrop St., Winthrop, Mass	
ASF	Jordan, Richard	22 Baldwin St., Cambridge, Mass	
ASF MJ	Judkins, Nathaniel B	1474 Pawtucket Ave., Rumford, R. I	
LL	Justice, Francis C	148 Tremont St., Newton, Mass	
HU	Karl, Henry J	568 Union St., New Bedford, Mass	
IIC ICY IMI	Keller, Adrian C	4-A Pleasant Ave., Somerville, Mass	
CY	Kelley, Lawrence E	35 Saunders St., Allston, Mass	
MI	Kelley, Richard F	Tworwton Conn	
DF	Kempton Relph I	Program Tela Ma	
ATA ASA	Kenison Arthur C	45 Parker St., Lexington, Mass	1.0
ENO	Kennedy, Jack A., ir.	81 Sherman St., Portland, Me.	
EX	Keves, Perley E	71 School St., Sanford, Me	
ANC	Killam, Phineas S	25 Belmont St., Reading, Mass	
ENQ EX IANC IQP	Kilton, James A., jr	21 Lasell St., Auburndale, Mass	
NZ	Knight, George W	29 Central St., Manchester, Mass	
IEIK	Knight, Hugh C	132 Melrose St., Melrose, Mass	
PI LZ	Knight Montgomery	475 Appleton St. Holyoka Mass	1.0
EIJ	Knight Winfold W	105 Chestnut St., Camden, Ma	1.0
FN	Knowlton, Dean W	48 Congress St., Belfast, Me	
ASM	Koetter, Max W.	554 Broadway, Everett, Mass.	
ENP	Kollen, Henry T	996 Eddy St., Providence, R. I.	
ATT	Kraus, William L	13 Fountain Ave., Somerville, Mass	-5
IATT	Kurth, Henry L. R	126 Columbia St., Cambridge, Mass	.5
IEAO	La Marche, Harold E	70 George St., Attleboro, Mass	.5
IEAO IASW IWR	Justice, Francis C Karl, Henry J Keller, Adrian C Kelley, Lawrence E Kelley, Richard P Kelsey, Philip C Kempton, Ralph J Kenison, Arthur C Kennedy, Jack A., jr Keyes, Perley E Killam, Phineas S Kilton, James A., jr Knight, George W Knight, Hugh C Knight, Moutgomery Knight, Montgomery Knight, Winfield W Knowlton, Dean W Koetter, Max W Kollen, Henry T Kraus, William L Kurth, Henry L R La Marche, Harold E Landick, Robert E Lane, Chauncey C Lally, Charles A	Presque Isle, Me 45 Parker St., Lexington, Mass. 45 Parker St., Lexington, Mass. 48 Sherman St., Portland, Me 71 School St., Sanford, Me 25 Belmont St., Reading, Mass. 21 Lasell St., Auburndale, Mass. 22 Central St., Manchester, Mass. 312 Melrose St., Melrose, Mass. 312 Melrose St., Molyoke, Mass. 312 Melrose St., Levin, Mass. 312 Melrose St., Levin, Mass. 312 Melrose St., Levin, Mass. 315 Chestnut St., Camden, Me 48 Congress St., Belfast, Me 554 Broadway, Everett, Mass. 996 Eddy St., Providence, R. I. 31 Fountain Ave., Somerville, Mass. 126 Columbia St., Cambridge, Mass. 70 George St., Attleboro, Mass. 77 Park St., Lynn, Mass. 73 S. Water St., New Haven, Conn. 12 Lincoln St., North Adams, Mass.	.5
IWR	Lane, Chauncey C	73 S. Water St., New Haven, Conn	.5
1KH	Lally, Charles A	12 Lincoln St., North Adams, Mass	

#### FIRST DISTRICT—Continued.

#### ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call signal.	Owner of station.	Location of station.	Power	
			Kw.	
1KU	Lamb, Claude M Lane, Frederic A Lang, Stanley W Lawyer, Lanphere R.	244 Federal St., Greenfield, Mass	0.	
1GD	Lane, Frederic A	7 Madison Ave., Gloucester, Mass. 799 Tyler St., Pittsfield, Mass. 27 Barnett St., New Britain, Conn.	1.	
1GK	Lang, Stanley W	799 Tyler St., Pittsfield, Mass	1.	
IEIV	Lawyer, Lanphere R	27 Barnett St., New Britain, Conn		
IFL IUH	Larrabee, Charles W Lear, George F	176 Prospect St., Portland, Me. 101 Broadway, Newport, R. I. 76 Camp St., Providence, R. I. 78 Bay State Ave., Somerville, Mass. 26 Lafayette St., Portland, Me. 130 Tremont St., Melrose, Mass. 28½ Warren St., Providence, R. I. 25 Walnut St., Lynn, Mass.		
1UZ	Learned, Alpha A Leathers, John W Leavitt, Vernal A Lefave, Stanley J Leidel, Ralph J	76 Camp St., Providence, R. I		
1JA	Leathers, John W	78 Bay State Ave., Somerville, Mass		
1FQ	Leavitt, Vernal A	26 Lafayette St., Portland, Me		
1WF	Lefave, Stanley J	130 Tremont St., Melrose, Mass		
1EIE	Leidel, Ralph J	28½ Warren St., Providence, R. I.		
1IF	Leighton, Harold M Leonard, Frederick D Leonard, James A Leonard, Theodore. Lessard, Walter Lewis, George B Lowis, Kenneth P	25 Walnut St., Lynn, Mass		
1MR	Leonard, Frederick D	20 Newholl St. Lynn Mass		
1ANL 1ESR	Leonard Theodore	1188 State St. Bridgeport Copp		
1ESH	Lessard, Walter	353 S. Main St., Mansfield, Mass. 30 Newhall St., Lynn, Mass 1188 State St., Bridgeport, Conn. 636 Broad St., Central Falls, R. I		
iVV	Lewis, George B	North Haven, Conn. 124 Maplewood Ave., Gloucester, Mass.		
TEIM	Lewis, Kenneth P. Lewis, William H., jr	124 Maplewood Ave., Gloucester, Mass		
1AAR	Lewis, William H., jr			
1BB	Lindsay, Alexander M., jr. Lipson, Edward. Lisker, William Little, Noel C. Loheed, William J., jr. Lomnitzer, Frank W.	Manomet, Mass. 38 Overlea Ave., East Saugus, Mass. 141 Chester Ave., Providence, R. I.	1.	
1SC	Lipson, Edward	141 Chastar Ave., East Saugus, Mass	1.	
1SP	Lisker, William	8 College St., Brunswick, Me.		
1AEL 1EIL	Loheed William I ir	12 Clifton Ave. Campello Mass		
1BM	Lomnitzer, Frank W.	1365 E. Main St., Bridgeport, Conn		
1EIY	Loomis, George A. Loomis, Harold C. Loring, Wilfred B. Lovis, Donald B.	8 College St., Brünswick, Me 12 Clifton Ave., Campello, Mass 1365 E. Main St., Bridgeport, Conn 119 S. Main St., St. Albans, Vt 18 Oakland Ter., Hartford, Conn Plympton, Mass 26 Adelaide St., Jamaica Plain, Mass Littleton, Mass Portland Pier, Portland, Me 239 Broadway, Cambridge, Mass 205 Peck Ave., West Haven, Conn Dover, Mass		
1WU 1KI	Loomis, Harold C	18 Oakland Ter., Hartford, Conn.		
1KI	Loring, Wilfred B	Plympton, Mass		
1NY	Lovis, Donald B	26 Adelaide St., Jamaica Plain, Mass		
1EMB	Lovejoy, Julian	Portland Pier Portland Ma	1.	
1FF	Ludgate, Roswell V Ludfigton, Harold A	239 Broadway Cambridge Mass		
IASR	Ludington, Harold A	205 Peck Ave., West Haven Conn	:	
1ENJ 1ESD	Lyman, Charles F., ir	Dover, Mass		
IANE	Lyman, Charles F., jr Lyman, Edward W	25 Pine St. Pittsheld Mose	i. 1. 1.	
1ASH	Lyman, Reginald P	27 S. Main St., Rutland, Vt. 260 Geneva Ave., Dorchester, Mass. High School, Beverly, Mass. 26 Abbott St., Beverly, Mass.		
INT_	Lynch, John P	260 Geneva Ave., Dorchester, Mass		
IEAE	Lynch, John P. Lynch, Sherman W. Lynch, Sherman W. Lynde, Kenneth R.	High School, Beverly, Mass		
1SJ 1HE	Lynch, Sherman W	20 Cloelia Ter., Newtonville, Mass.	1	
IVK	Lynn English High School	Highland Square, Lynn, Mass.  107 Alden St., Whitman, Mass. East Lexington, Mass. 28 Chester St., Watertown, Mass. 11 St. Stephens Court, Lynn, Mass. 18 Pond Ave., Newport, R. I. North Stonington, Conn	1.	
IMW	Lynn, Harold W	107 Alden St., Whitman, Mass		
1ML	Lynn, Harold W Lyon, William H	East Lexington, Mass		
1ATS 1RE	Macurdy, Ernest H	28 Chester St., Watertown, Mass		
IRE	MacLeod, Charles M	11 St. Stephens Court, Lynn, Mass		
1TN	Mahoney, Charles J	North Stopington Conn	:	
IEIX	Man, Edward H	21 Newport Ave Newport P T		
1TG	Manchester Edwin E	4 Park Place, Portland Me		
TH	Manuel, Lloyd	6 Nichol Ter., Newport, R. I.	1	
ICW ITH IUT	Man, Edward H. Manchester, Arthur W. Manchester, Edwin F. Manuel, Lloyd. Marcoft, Jesse. Marcroft, William. Marden, Frank O. Marsh, Albert A. Marshall, Robert E.	18 Fond Ave., Newport, R. I. North Stonington, Conn. 31 Newport Ave., Newport, R. I. 4 Park Place, Portland, Me. 6 Nichol Ter., Newport, R. I. Warwick, R. I. 235 Northup St., Cranston, R. I. 250 Elm St., South Portland, Me. 11 Heard St., Chelsea, Mass.		
1EY	Marcroft, William	235 Northup St., Cranston, R. I.	:	
IAB	Marden, Frank O	250 Elm St., South Portland, Me.		
IGP	Marshall Pokent F	11 Heard St., Chelsea, Mass. 2 Pleasant Pl., Marlboro, Mass. 1 Hobart St., Danvers, Mass. 79 7th St., Turners Falls, Mass.		
1EAW 1NG	Marshall, Robert E Marshall, T. Stanley	1 Hobart St Danvare Mace	1.	
IENA	Martin, Paul S	79 7th St., Turners Falls, Mass	1.	
iLC	Massachusetts Institute of	Boston, Mass	1.	
	Technology.			
1AAB	Massey, John C	3 Whitwell Ave., Newport, R. I		
IMT	Mathewson, Oliver W	34 Corona St., Dorchester, Mass		
IAEX IVF	Maurer, Frank 1	7 Chastnut St. Tomaiga Plain Maga		
IEAY	Maurer, Frank T. Mayer, Arthur W. McCarthy, George E. McCurdy, Bruce H.	3 Whitwell Ave., Newport, R. I. 34 Corona St., Dorchester, Mass. 32 Arlington St., West Haven, Conn. 7 Chestnut St., Jamaica Plain, Mass. 20 Belden St., New Britain, Conn. 81 Parade St., Providence, R. I. 81 Relmont Mass		
1ER	McCurdy, Bruce H	81 Parade St., Providence, R. I.		
1ER 1NW	McDermott, Joseph H	Belmont, Mass		
1END	McDermott, Joseph H. McElroy, George A. McGrath, Joseph L. McHenry, Albert T. McLutosh, Harold W.	Belmont, Mass. 88 Forest Ave., Portland, Me. 206 Fayette St., Wollaston, Mass. 64 Cutter St., Melrose, Mass.		
1QQ 1TZ	McGrath, Joseph L	206 Fayette St., Wollaston, Mass		
ITZ	McHenry, Albert T	64 Cutter St., Melrose, Mass	٠,	
1CX 1ASC	McKey John S P	431 Great Plains Ave., Needham, Mass		
1CU	McKay, Preston L	431 Great Plains Ave., Needham, Mass. 431 Great Plains Ave., Needham, Mass. 259 Pond St., Boston, Mass. 54 Plymouth St., Carver, Mass.		
LABV	McKay, John S. R. McKay, Preston L. McKinney, Roscoe H. McLane, Henry R.	Thomaston, Me	:	
1CM	MoLone Honey D	240 ITnion Ave. Tagonia AT II	1.	

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#### FIRST DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Powe
		56 West Ave., South Norwalk, Conn 6 Rockland St., Melrose Highlands, Mass. 23 Alpine St., Arlington, Mass R. F. D. No. 1, Rochester, N. H 7 Sprague Ave., Cranston, R. I. 82 Central St., Westbrook, Me. 13 Mechanic St., Westbrook, Me. 13 Mechanic St., Westbrook, Me. 1486 6th Ave., Woonsocket, R. I. R. F. D. No. 1, Chelmsford, Mass. 14 Webster St., Allston, Mass. 18 Lowden Ave., Somerville, Mass. 21 Houghton St., Worcester, Mass. 49 Waban Hill Rd., Newton, Mass. 48 Crescent St., Rutland, Vt. 70 Jonathan St., Providence, R. I. 1 Kensington Heights, Worcester, Mass. 144 Lawton Ave., Lynn, Mass. 144 Lawton Ave., Lynn, Mass. 142 Wetersfield Ave., Hartford, Conn 56 Cedar St., New Britain, Conn	Kw.
1VD 1LX	McMahon, John F., jr	56 West Ave., South Norwalk, Conn	0.
1LX	McMahon, John F., jr McMahon, William G McNamara, Frederick W	6 Rockland St., Melrose Highlands, Mass	
1AAN	McNamara, Frederick W Meader, Raymond B	P. F. D. No. 1 Pochostor, N. H.	
$_{ m 1EZ}^{ m 1EZ}$	Medbery, Chester H. Meggison, Forrest L. Meggison, Wilbur P. Mellor, Joseph W. Melvin, Arthur W. Mercer, W. Roy. Merritt, Hyland E. Merrow, Ernest W. Meynell, Louis C. Mills. Bruce M.	7 Sprague Ave Cranston R I	810
1FM	Meggison, Forrest L	82 Central St., Westbrook, Me.	
1FM 1FJ	Meggison, Wilbur P	13 Mechanic St., Westbrook, Me	
1UC	Mellor, Joseph W	186 6th Ave., Woonsocket, R. I	1
1QH	Melvin, Arthur W	R. F. D. No. 1, Chelmsford, Mass	-
1SA	Mercer, W. Roy	34 Webster St., Allston, Mass	
1UY 1ASI	Merritt, Hyland E	21 Houghton St. Worgester Mass	
1ATM	Merrow, Efficient W	49 Wahan Hill Rd Newton Mass	
1BB	Mills, Bruce M	48 Crescent St., Rutland, Vt.	
IATZ	Mitchell, Adolph H	70 Jonathan St., Providence, R. I.	
IND	Miy Donald G	1 Kensington Heights, Worcester, Mass	
$1\Lambda BH$	Mooradian, Arom P Morrill, Donald H Morris, Joseph A	144 Lawton Ave., Lynn, Mass	
1ESJ	Morrill, Donald H	424 Wetnersheld Ave., Hartlord, Conn	
1ESL 1SQ	Morrison H R	137 Ingham St. Willimansett Mass	1
1EME	Morrison, H. R. Morrison, Raymond D.	17 Malbone Ave., Newport, R. I.	
IVU	Morse, Harold J	40 Clark St., Hartford, Conn	
IEME IVU IBK		1424 Wethersfield Ave., Hartford, Conn. 56 Cedar St., New Britain, Conn. 137 Ingham St., Willimansett, Mass. 17 Malbone Ave., Newport, R. I. 40 Clark St., Hartford, Conn. 24 Terrill St., Rutland, Vt. 79 Lonsdale St., Dorchester, Mass. 6 Francis Ave., Pittsfield, Mass. 35 Forest St., Lawrence, Mass. 11 Jenny Lind St., New Bediord, Mass. Bartlett & Clinton Sts., Portsmouth, N. H. 369 Main St., New Britain, Conn. 38 Beacon St., Everett, Mass. 54 Essex St., Marlboro, Mass.	
LOO	Morton, Adelbert R	79 Lonsdale St., Dorchester, Mass	
IGO_	Morton, Adelbert R Morton, Adelbert R Morton, Sidney. Mosher, Albert E Mosher, Clifton E Muehl, Gottfried.	6 Francis Ave., Pittsfield, Mass	
IAEX	Mosher, Albert E	11 Janny Lind St. New Bedjord Mass	
IIO IENO	Muchl Gottfried	Bartlett & Clinton Sts., Portsmouth, N. H.	
ITB	Mulvihill, Francis A	369 Main St., New Britain, Conn.	1
HW	Munroe, Henry W. T	38 Beacon St., Everett, Mass	
IEIU IPX	Murphy, Charles F	54 Essex St., Marlboro, Mass	
PX	Murphy, Harry J. Murray, Albert F. Murray, James J. Nash, Paul Nash, William A.	Florence, Mass. 21 Norway St., Boston, Mass.	1
IMC	Murray, Albert F	21 Norway St., Boston, Mass	
1AAM 1QF	Nach Paul	64 Fairmont Ave. Newton Mass	
1FS	Nash William A	28 Wensley St., Boston, Mass. 64 Fairmont Ave., Newton, Mass. 43 Granite St., Biddeford, Me. 10 Grove St., Pittsfield, Mass.	
IAAD	Needham, Raymond W Neuhaus, Theodore F		
1WN	Neuhaus, Theodore F	Windsor, Conn 16 Webster St., Atlantic, Mass	1.
IRY	Newcomb, Roland D Newton Technical High School. See Harrington, Charles B.		
OTI	Newton, Raymond C. Nichols, John S. Nicholson, James H.	292 California Ave., Providence, R. I	1.
IFR	Nichols, John S	60 Edward Ave., Pittsfield, Mass	1.
IFU IGH	Nicholson, James H	119 Washington Ave., Portland, Me	ī
IGH	Nickerson, Arthur B. Nickerson, Edgar W. Noble, Lewis C.	292 California Ave., Providence, R. I. 60 Edward Ave., Pittsfield, Mass. 119 Washington Ave., Portland, Me. 33 Radelifle Rd., Somerville, Mass. 16 Atlantic Ave., Beverly, Mass. 35 Woodlawn Ave., Wellesley Hills, Mass. Needham, Mass. Fall Riyer, Mass.	
ISG	Noble Lewis C	35 Woodlawn Ave., Wellesley Hills, Mass	
lQJ lRU	Noble, Lewis C. Norcross, Warren Norwell, Joseph C. Nyquist, Norman A. O'Brien, David W. O'Brine, Daniel J. O'Connor, Cornelius T. O'Hara, John F. Ohlson, Olof.	Needham, Mass	
EAF	Norwell, Joseph C	Fall River, Mass	
EAF IQA	Nyquist, Norman A	107 Chestnut Ave., Jamaica Plain, Mass	
ISU	O'Brien, David W	Needham, Mass. Fall River, Mass. 107 Chestnut Ave., Jamaica Plain, Mass. 178 Second St., Pittsfield, Mass. 152 Bridge St., Manchester, Mass. 10 Cowperthwaite St., Cambridge, Mass. 66 Bassett St., Lynn, Mass. 472 Crafts St., Newton, Mass. 235 Springside Ave., Pittsfield, Mass. 164 Allen Ave., Lynn, Mass. Leonard St., Stamford, Conn. 15 Olney Pl., East Lynn, Mass.	
OB	O'Brine, Daniel J	10 Cowporthweite St. Cambridge Mass	
IBB	O'Hore John F	66 Bassett St., Lynn, Mass	
ANZ IX HT	Ohlson, Olof	472 Crafts St., Newton, Mass.	
HT	Oliver, H. E	235 Springside Ave., Pittsfield, Mass	
SD	Oliver, H. E Oliver, Herbert W O'Neill, John D Osborne, Roger W	164 Allen Ave., Lynn, Mass	
ESE	O'Neill, John D	Leonard St., Stamford, Conn.	
ANO		78 Charles St. Springfield Mass	,
MO GN	Ostrander, Freeman J., jr	57 Wollaston Ave. Arlington Heights Mass	
WK	Polmer Rea C	320 Wethersfield Ave., Hartford, Conn.	1
PC	Palmer, Russell S	93 Central St., Somerville, Mass	
ANQ	Palmer, Charles A. Palmer, Rae C. Palmer, Russell S. Palmquist, Walter N. Park, Francis E., jr.	15 Olney Pl., East Lynn, Mass. 78 Charles St., Springfield, Mass. 57 Wollaston Ave., Arlington Heights, Mass. 320 Wethersfield Ave., Hartford, Conn. 93 Central St., Somerville, Mass. 701 Cranston St., Providence, R. I.	
	Park, Francis E., jr	359 Main St., Stoneham, Mass.	
IVY	Parker, John A	Z40 Broadway, Somerville, Mass	1
IJC I	TO 1 T -1-11 1 TO	ISIANG FONG, Vt	1
JC	Parker, Leighland F	27 Cherry St. New Britain, Conn	
JC BY EAB	Parker, Leighland F	37 Cherry St., New Britain, Conn	
IJC IBY IEAB ISH	Parker, Leighland F Parker, Wesley G Parmelee, Albert O Paton, Raymond	37 Cherry St., New Britain, Conn	
IJC IBY IEAB ISH IIE	Parker, Leighland F	37 Cherry St., New Britain, Conn	
IJC IBY IEAB ISH IIE	Parker, Leighland F Parker, Wesley G. Parmelee, Albert O. Paton, Raymond. Patten, Ernest L. O. Payson, Gilbert R., jr.	37 Cherry St., New Britain, Conn. Reading, Mass. 613 California St., Newtonville, Mass. 11 Holmes St., Malden, Mass. 545 Belmont St., Belmont, Mass.	
IVY IJC IBY IEAB ISH IIE IIG IOM IUB	Parker, Leighland F. Parker, Wesley G. Parmelee, Albert O. Paton, Raymond. Patten, Ernest L. O. Payson, Gilbert R., jr Pease, Reginald M.	701 Cranston St., Providence, R. I. 359 Main St., Stoneham, Mass. 246 Broadway, Somerville, Mass. Island Pond, Vt. 37 Cherry St., New Britain, Conn. Reading, Mass. 613 California St., Newtonville, Mass. 11 Holmes St., Malden, Mass. 545 Belmont St., Belmont, Mass. 5 W. Park St., Providence, R. I. Middletown, R. I. Chatham, Mass.	1

#### FIRST DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power
			Kw.
1RF	Pennypacker, Thomas R	6 Chauncy St., Cambridge, Mass	0.
1AI 1DB	Petry, Horace R Petersen, Hans C. W Peterson, Robert M	6 Chauncy St., Cambridge, Mass	
ATL	Peterson, Robert M.	3 Blodgett Pl., Worcester, Mass	
EMP	Petrie Andrew L	22 Lamberton St., New Haven, Conn	
KK IPN	Pettey, Raymond A	22 Lamberton St., New Haven, Conn. Dartmouth, Mass. 14 Friend Street Pl., Lynn, Mass. 35 Cedar St., Wakefield, Mass. 102 Rodman St., Fall River, Mass. Greenwood, Mass.	
ESI	Pettipas, William P	14 Friend Street Pl., Lynn, Mass	
EW	Phelan, Lawrence T	102 Rodman St., Fall River, Mass	
WB	Philbrook, Robert G	Greenwood, Mass	
SE	Phillips, Henry D. Pickles, Joseph A. Pierce, Frederick H.	11 Haskell St., Cambridge, Mass. 38 Emery St., Sanford, Me. High School Bldg., Lewiston, Me 70 Westland Ave., Boston, Mass. 173 Howard Ave., New Haven, Conn 92 Franklin St., Waterlown, Mass. 71 Jouvett St., New Bedford, Mass.	
AO EN	Pickles, Joseph A	38 Emery St., Sanford, Me	
IL	Pierce, Kohert	70 Westland Ave. Roston Mass	
ENL ATC	Pierson, George B. Pinkham, Everett C.	173 Howard Ave., New Haven, Conn	
IATC	Pinkham, Everett C	92 Franklin St., Watertown, Mass	
AAH		71 Jouvett St., New Bedford, Mass	
IKN IEMG	Plaisted, Frank H. Polleys, William V., jr. Poole, Williard H. Poor, Stearns.	606 Public St Providence P I	
EMR	Poole, Willard H.	229 Belmont St., Fall River, Mass. Durfle High School, Fall River, Mass. 100 Valentine St., West Newton, Mass	
EMR EMS	Poole, Willard H	Durfie High School, Fall River, Mass	
ASE	Poor, Stearns	100 Valentine St., West Newton, Mass	
ABP		50 Carfield St. Watertown, Mass	
WX	Potter, Robert G Powell, Miss Cecil	86 Farmington Ave. Hartford Conn	1.
WX JS	Powers, Leonard S	2 Winthrop, Danvers, Mass. 50 Garfield St., Watertown, Mass. 86 Farmington Ave., Hartford, Conn. 431 Plymouth St., Carver, Mass. 266 Fairview St., New Britain, Conn.	
DR	Powers, Leonard S Pranitis, George	266 Fairview St., New Britain, Conn	1.
JG	Pratt, Fearing. Pratt, Phinehas W Pratt, Rahma W Pratt, Walter L. Prescott, Earle M.	120 Main St., Hingham, Mass. 100 Harvard St., Everett, Mass. 100 Harvard St., Everett, Mass. 207 Longfellow St., Westbrook, Me 50 Hartsuff St., Rockland, Mass 6 Lincoln St., Stoneham, Mass.	
IABM	Pratt Rahma W	207 Longfellow St. Westbrook Ma	
IAN IPJ	Pratt. Walter L	50 Hartsuff St., Rockland, Mass.	
RK	Prescott, Earle M	6 Lincoln St., Stoneham, Mass	
AAC		a Charles of the New Dord, R. L	
IQM IPV	Pulley Lester A	147 Pemberton St., Cambridge, Mass	1.
IPY IMP	Proulx, George H. Pulley, Lester A. Purssell, Clarence V.	33 Porter St., Melrose, Mass. 1257 Morton St., Dorchester, Mass.	
IASQ		1257 Morton St., Dorchester, Mass.  14 Elsmere Ave., Lynn, Mass.  357 Central St., Auburndale, Mass.  R. F. D. No. 2, Auburn, Me  18 Mace Pl., Lynn, Mass.  Newington, Conn.  672 Marlboro St., Keene, N. H.  61 Chestnut St., New Bedford, Mass.  37 Norway St., Boston, Mass.  19 Dunbar St., Keene, N. H.  37 Edgewood St., Roxbury, Mass.  181 Woodlawn Ave., Pittsfield, Mass.	
PZ	Ranlett, Frederick J., jr. Ray, Charles H. Redfield, Kendall A. Redick, Kenneth T. Reed, Coleman C.	357 Central St., Auburndale, Mass	
IK AEO	Ray, Charles H	R. F. D. No. 2, Audurn, Me	
DY	Redick, Kenneth T	Newington, Conn	1.
CQ	Reed, Coleman C	672 Marlboro St., Keene, N. H	1.
PO		61 Chestnut St., New Bedford, Mass	1.
ANV BO	Reed, Parker C Reed, Sherman A Reeves, Clarence E Reese, Lauren A Reid, Ralph A	37 Norway St., Boston, Mass	
EAG	Reeves, Clarence E	37 Edgewood St., Roxbury, Mass	
HS .	Reese, Lauren A	181 Woodlawn Ave., Pittsfield, Mass	
SZ	Reid, Ralph A	8 Cedar St., Wakefield, Mass. 269 St. Botolph St., Boston, Mass.	
EAM	Remington, Frederick H	269 St. Botolph St., Boston, Mass	
	Fenno Stanley W		
ST	Reid, Kaiph A Remington, Frederick H Revere High School. See Fenno, Stanley W Reynolds, J. Louis Reynolds, Walter W Reynolds, William B Rhodes, Clarence A Rice, Alonzo H, jr Richmond, Harold B Rinaldi Henry L	20 Cordon St., Framingham, Mass	
CP	Reynolds, Walter W	19 Mariboro St., Belmont, Mass. 37 State St., Framington Center, Mass. 50 Sedgewick St., Bridgeport, Conn. 8 Thatcher St., Hyde Park, Mass. 12 George St., Medford, Mass.	
GE	Reynolds, William B	37 State St., Framington Center, Mass	
DI ANR	Rice Alonzo H ir	8 Thatcher St. Hyde Park Mass	
IA	Richmond, Harold B	12 George St., Medford, Mass	
JX	Rinaldi, Henry L. Robert, Fortuna.	34-A Ibbetson St., Somerville, Mass. 458 Lowell St., Manchester, N. H. 149 State St., New London, Conn.	
CC	Robert, Fortuna	458 Lowell St., Manchester, N. H	
DD BR	Robillard, Paul M Robinson, B. C	149 State St., New London, Conn	1
GR		136 Pleasant St., Attleboro, Mass.	1
FE	Robinson, Laurence B	R. F. D. No. 2, Gorham, Me	
EJ	Robinson, Philip F	149 Hollis Ave., Braintree, Mass	
EMU ENV	Robinson, Henry S. Robinson, Laurence B. Robinson, Philip F. Rogers, Harold A. Root, Edward L. Rosen, Victor E. Rosenbloom, William. Rowall Kendell B.	St. Johnsbury Center, Vt. 136 Pleasant St., Attleboro, Mass. R. F. D. No. 2, Gorham, Me 149 Hollis Ave., Braintree, Mass. 39 Paulena St., West Somerville, Mass 36 North School St., Manchester, Conn	
AEN	Rosen, Victor E	36 North School St., Manchester, Conn 33 Woodlawn St., Lynn, Mass. 108 Thornton St., Revere, Mass. 135 Dale St., Waltham, Mass. 110 Loring Rd., Winthrop, Mass. 49 Fairmont St., Belmont, Mass. 192 Adams St., Lakewood, R. I West Townsend, Mass.	
EL	Rosenbloom, William	108 Thornton St., Revere, Mass	
IMS	Rowell, Kendall B	135 Dale St., Waltham, Mass	
UW	Rowe, Austin E	110 Loring Rd., Winthrop, Mass	
ILS IBT	Runey, Leon C. Rusack, Sidney L.	192 Adams St. Lakewood R. I	3.0
RR	Rusk, Jan M	West Townsend, Mass.	
IATD	Rusk, Ian M. Ryan, James F. Ryder, Malcolm P.	192 Adams St., Lakewood, K. I. West Townsend, Mass. 51 E. Liberty St., Waterbury, Conn. 86 Calhoun St., Springfield, Mass.	1.

#### FIRST DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Powe
			Kw.
1IZ 1QI	St. James, Robert T	38 Avery Lane, Great Barrington, Mass. 258 1st St., Pittsfield, Mass.	1
1Q1 1AEI	St. James, Vincent	Darion Conn	1
1WT	Salzgeber John W	81 W. Main St. Tvorvton Conn	1
iwh	Sam. C. King	17 N. Elm St., Waterbury, Conn.	1
1WH 1DX	St. James, Robert T. St. James, Vincent. St. John, Forbes. Salzgeber, John W. Sam, C. King. Sandreuter, Stuart.	Stamford, Conn	1886
1HL	Saugus High School. See	Wooderd, Mass.	1
1FD 1QB 1AV	Saunders, Frank Saunders, George B Sawyer, Harry L Sayward, Lyman W	Richmond, Me. 52 Francis St., Boston, Mass. 31 Newhall St., Lynn, Mass. 253 Belmont St., Wollaston, Mass. 20 Ashton Ave., Beverly, Mass. 3 Thatcher St., Hyde Park, Mass. 27 Alston St., Somerville, Mass. 952 Franklin St., McTrose Highlands, Mass. Berlin, Conn.	1
1QB	Saunders, George B	52 Francis St., Boston, Mass	
1HK	Sawyer, Harry L	31 Newhall St., Lynn, Mass	1000
1ASG	Schor Harold C	20 Ashton Ava Rayerly Mass	1233
1TXT	Schwartz, Walter P	3 Thatcher St., Hyde Park, Mass	
1LM	Scott, Kenneth G	27 Alston St., Somerville, Mass	150
1LM 1LT	Scott, Ralph A	952 Franklin St., Meirose Highlands, Mass	1
TEU	Seibert, Leroy G	Berlin, Conn.	
1IM	Senior William B	68 Machanic St. Wasterly P. T.	1
IANM IIU	Sayward, Lyman W. Scher, Harold C. Schwartz, Walter P. Scott, Kenneth G. Scott, Ralph A. Seibert, Leroy G. Senay, Charles T. Senior, William B. Shattuck, George E. Shaw, Arthur M.	227 Broad St., North Attleboro, Mass.	
IAEQ	Shaw, Arthur M	49 Washington Blvd., Springfield, Mass	- 51
IBN	Shaw, Raymond H	10 E. Washington St., Rutland, Vt.	
IDC	Shattuck, George E. Shaw, Arthur M Shaw, Raymond H. Sheehan, Walter J. Sheffield, Irving J. Sherman, Israel. Sherman, Joseph E. Shirt, Arthur G. Shorey, G. Faxon. Shortis, John. Sias Cyril W.	952 Franklin St., McTrose Highlands, Mass. Berlin, Conn. Saugus High School, Saugus, Mass. 68 Mechanic St., Westerly, R. I. 227 Broad St., North Attleboro, Mass. 49 Washington Blvd., Springfield, Mass. 10 E. Washington St., Rutland, Vt. 40 Terrace Ave., Waterville, Conn. 25 Warren St., Hallowell, Me. 55 Revere St., Boston, Mass. 349 Tremont St., Boston, Mass. 18 Augustus St., Fall River, Mass. 249 Grove St., Melrose, Mass. 5 Chelsea St., Charlestown, Mass. 62 Kensington Ave., Springfield, Mass. 44 High St., Hartford, Conn. 124 Beech St., Roslindale, Mass. Simsbury, Conn. Bailey Island, Me. 41 Brenton Ter., Pittsfield, Mass. 48 Forest St., Springfield, Mass. 48 Forest St., Springfield, Mass. 48 Forest St., Springfield, Mass. 49 Greenwich, Conn. Sanbornton, N. H. 55 South St., Biddeford, Me. 300 Park St., West Springfield, Mass. 7 Cedar St., Norwich, Conn. Orleans, Mass. 30 Carry Ave., Chelsea, Mass.	1
IAS IIV	Shemen Jarol	25 Warren St., Hallowell, Me	
1MQ	Sherman, Joseph E	349 Tremont St., Boston, Mass	139
1GG	Shirt, Arthur G	18 Augustus St., Fall River, Mass	
IRX IQU	Shorey, G. Faxon	249 Grove St., Melrose, Mass	
1QU	Shortis, John	5 Chelsea St., Charlestown, Mass	
ISM	Sias, Cyril W	62 Kensington Ave., Springfield, Mass	
IWO IRC	Simkin, Colli	124 Reach St. Reglindela Mass	1
1DF	Simsbury High School	Simsbury, Conn	
1AL	Sinnett, Chester M	Bailey Island, Me	1300
1ASX	Shortis, John Sias, Cyril W. Simkin, Colin. Simmons, Minot A. Simsbury High School. Sinnett, Chester M. Sisson, Harry D., jr. Sistare, Donald B. Slawson, Spencer W.	41 Brenton Ter., Pittsfield, Mass	
IRQ	Sistare, Donald B	48 Forest St., Springfield, Mass	
IVI IAEK	Slawson, Spencer W. Sleeper, Joseph N. Smith, Edward S. C.	Sanbornton N H	1
IAD	Smith, Edward S. C.	55 South St., Biddeford, Me.	
100	Smith, Kirk E	300 Park St., West Springfield, Mass	1000
IVT	Smith, Edward S. C. Smith, Kirk E. Smith, Lewis J. Snow, Albert E. Snow, Albert E. Snow, David F. Snow, Harold C. Somerville, Paul S. Soney. Henry C.	7 Cedar St., Norwich, Conn. Orleans, Mass. 30 Carry Ave., Chelsea, Mass. 15 Lincoln St., Arlington, Mass. 14 Paradise Rd., Swampscott, Mass. 22 Cliff St., St. Johnsbury, Vt. 11 Poindexter St., Lynn, Mass. 122 Chestnut St., Wakefield, Mass. 34 Montowese St., Hartford, Conn. Southboro, Mass.	
1EK 1JF	Snow, Albert E	Orleans, Mass	
IAAX	Snow, David F	15 Lincoln St., Arlington, Mass.	100
1GA	Snow, Harold C	41 Paradise Rd., Swampscott, Mass	19.37
1BJ	Somerville, Paul S	32 Cliff St., St. Johnsbury, Vt	
TT 1AEU	Soney, Henry C	11 Poindexter St., Lynn, Mass	1
IVN	Southworth Palmer H	24 Montowese St. Hartford Conn	
ITE	Sparrow, Edward	Southboro, Mass	
ILA IATQ	Somerville, Paul S. Soney, Henry C. Southworth, Arthur P. Southworth, Palmer H. Sparrow, Edward. Spear, G. Dana. Spencer, Bonifield M. Spencer, Walter B. Spinney, Charles E. Stacy, Frank A. Stackhouse, Walter T. Stackpole, Leroy E. Stackpole, Nelson B. Stagg, Uberto K.	32 Common St., Walpole, Mass	1333
1ATQ	Spencer, Bonifield M	17 Maple St., Attleboro, Mass	
IAST	Spencer, Walter B	41 Pleasant St., West Hartford, Conn	
1FG 1EMF	Stagy Frank A	7 Dodge Court Danvers Mass	
10W	Stackhouse, Walter T	86 Crescent Ave., Revere, Mass.	
10W 1AA	Stackpole, Leroy E	53 River St., Sanford, Me	
1TU	Stackpole, Nelson B	725 Mineral Spring Ave., Pawtucket, R. I	
IVR IWP	Stagg, Uberto K	Noroton Heights, Conn.	
1WP 1GZ	Stansfield Arthur C	17 Montgomery St., Lawrence, Mass	
IIB	Stanyan, Starr W	76 Boston Ave., West Medford, Mass	
1LU	Staples, Lloyd E	145 Matfield St., East Bridgewater, Mass	
1TQ	Stackpole, Neison B. Stagg, Uberto K. Stallworth, Henry H. Stansfield, Arthur C. Stanyan, Starr W. Staples, Lloyd E. Stark, William H. Starkweather, John B. Steadman, Robert C. Stale Maitland	258 Ives St., Providence, R. I.	
1NM 1VS	Starkweather, John B	21 Park Rd Brockton Mass	
1DL	Steele, Maitland	1202 Park St., West Hartford, Conn	
1RW	Steeves, Arthur	260 Brighton Ave., Boston, Mass	
1BH 1LN	Sterling, George E	28 Paine St., Springvale, Me	
1LN	Sterling, Roy	21 Coral St., Lowell, Mass	1 -
1ABR.	Stevens, Charles L	19 Lincoln St., Stoneham, Mass	1
1FY 1AAP 1CA 1TK	Steele, Mattland Steeves, Arthur. Sterling, George E. Sterling, Roy. Stevens, Charles L. Stevens, Charles R. Stevens, Louis W. Stimson, Robert C. Stiness, Samuel.	122 Chestnut St., Wakefield, Mass. 34 Montowese St., Hartford, Conn. Southboro, Mass. 22 Common St., Walpole, Mass. 17 Maple St., Attleboro, Mass. 41 Pleasant St., West Hartford, Conn. 24 Winter St., Sanford, Me. 7 Dodge Court, Danvers, Mass. 86 Crescent Ave., Revere, Mass. 53 River St., Sanford, Me. 725 Mineral Spring Ave., Pawtucket, R. I. Noroton Heights, Conn. 50 Liberty St., Hartford, Conn. 17 Montgomery St., Lawrence, Mass. 16 Boston Ave., West Medford, Mass. 145 Matfield St., East Bridgewater, Mass. 258 Ives St., Providence, R. I. 17 Gibson Rd., Newtonville, Mass. 1192 Park St., West Hartford, Conn. 260 Brighton Ave., Boston, Mass. 28 Paine St., Springvale, Me. 21 Coral St., Lowell, Mass. 30 Worcester St., Framingham Center, Mass. New London, N. H. 260 Broad St., Central Falls, R. I.	
101	Stimson Robert C	New London N H	

### FIRST DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power	
			Kw.	
1KL	Stocker, Clarence I. Stolba, Nestor W. Stone, Clayton P. Stone, Perry. Stoughton, Edgecombe. Strang, Paul S. and Olin T.	65 N. Franklin St., Lynn, Mass	0.	
1GY	Stolba, Nestor W	182 Lakeview Ave., Cambridge, Mass		
1BL	Stone, Clayton P	14 Portland St., St. Johnsbury, Vt		
IAES	Stone, Perry	15 West St., New London, Conn.  198 Ocean Ave., Portland, Me.  58 N. Beacon St., Allston, Mass  215 Federal St., Greenfield, Mass.  151 S. Elm St., Waterbury, Conn.		
IANS	Stoughton, Edgecombe	198 Ocean Ave., Portland, Me		
PL	Strang, Paul S. and Olin T.	98 N. Beacon St., Aliston, Mass		
EMN	Stratton, Rolland A Straub, Alphonse B	151 S Elm St Waterbury Conn		
10Q	Struthore Francis W	Townsend Mass		
IBG	Stuart, Hamilton C Stubbs, Edward T	Townsend, Mass 12 Main St., St. Johnsbury, Vt. 1 Bennett St., Sanford, Me.		
LAC	Stubbs, Edward T	1 Bennett St., Sanford, Me		
JH	Sturtevant, Windsor	219 Florida St., Springheid, Mass		
HD	Stubbs, Edward T. Sturtevant, Windsor. Sullivan, John F. Surrette, Albert L. Sutcliffe, Raymond S. Swanton, William A. Tabbut, Arthur R. Tarment, Ralph E. Tarr. Gertrude E.	485 E. 6th St., South Boston, Mass		
ASO NF	Surrette, Albert L	434 Massachusetts Ave., Arlington, Mass		
EAN	Sutcliffe, Raymond S	42 Dir St. Dorohoster Mass		
AK	Tabbut Arthur R	6 First South St. Bar Harbor, Me.		
EIK	Tarment, Ralph E	381 Main St., Everett, Mass.		
IOG		8 High St., Rockport, Mass		
OX	Tarr, Gertrude E Tarr, Melville S	485 E. 6th St., South Boston, Mass 434 Massachusetts Ave., Arlington, Mass. 29 Foster St., Fall River, Mass. 42 Dix St., Dorchester, Mass. 42 Dix St., Dorchester, Mass. 45 First South St., Bar Harbor, Me. 381 Main St., Everett, Mass. 8 High St., Rockport, Mass. 45 Parker St., Chelsea, Mass. Northbridge, Mass Northbridge, Mass 788 Hope St., Providence, R. I. 55 Bromfield St., Wollaston, Mass. 30 S. Main St., Attleboro, Mass. Kennebunk, Me.		
EAV	Tarr, Melville S. Tatreault, Ernest. Taylor, Alfred C. Taylor, David F. Taylor, Frederic W. Taylor, Frederic W. Taylor, James W. Taylor, James W. Taylor, Walter A. Therrien, Arthur J. Thompson, James H. Thornley, Howard W. Tilden, Paul L. Travis, Gerald E. Travis, Gerald E. Thompson, John E.	Northbridge, Mass		
EIQ	Taylor, Alfred C	788 Hope St., Providence, R. 1		
EAS ABE	Taylor, David F	20 C Main St. Attlebore Mass		
BZ	Taylor, Frederic W	30 S. Main St., Áttleboro, Mass. Kennebunk, Me 62 Tremont St., Boston, Mass 3 Thurston St., Somerville, Mass 213 Walnut St., Lynn, Mass. 319 South Ave., Whitman, Mass. 7 Belmont St., Pawtucket, R. I. 22 Williams St., New London, Conn. 59 Kenmere Rd., Medford, Mass. 3 Grand St., Reading, Mass. 42 Pomeworth St., Stoneham, Mass.	1	
LJ	Taylor James W	62 Tremont St., Boston, Mass.		
OD	Taylor, Walter A	3 Thurston St., Somerville, Mass		
QD	Therrien, Arthur J	213 Walnut St., Lynn, Mass		
RH	Thompson, James H	319 South Ave., Whitman, Mass		
UI	Thornley, Howard W	7 Belmont St., Pawtucket, R. I.		
DQ	Tilden, Paul L	50 Venmore P.d. Medford Mass		
HB NP	Travis, Gerald E	28 Montabello Rd Jamaica Plain, Mass		
IGQ	Thompson, John E	3 Grand St., Reading, Mass		
EIA		42 Pomeworth St., Stoneham, Mass		
EIF	Towner, F. Bruce	133 Belmont St., Everett, Mass		
TA	Tucker, Cecil A	21 Church St., Lynn, Mass		
EE	Towner, F. Bruce Tucker, Cecil A. Tucker, Elton H Tufts, J. Warren Tufts Wireless Society. See	3 Grand St., Reading, Mass. 42 Pomeworth St., Stoneham, Mass. 133 Belmont St., Everett, Mass. 21 Church St., Lynn, Mass. 121 Messer St., Providence, R. I. 43 Cornell Ave., West Somerville, Mass.		
LV	Tufts, J. Warren	43 Cornell Ave., West Somerville, Mass		
	Entwistle Guy B			
MG	Turner Edwin E	72 Wyman St., Jamaica Plain, Mass		
PG	Tyler, Samuel F	28 Sargent St., Newton, Mass		
OI	Entwistle, Guy R. Turner, Edwin E. Tyler, Samuel F. Tyrrell, Alanson B.	28 Sargent St., Newton, Mass. 8 Ellis Ave., Medford, Mass.		
KO	Upham, Howard B	20 Mt. Bowdoin Ter., Boston, Mass. 161 Chelsea St., Charlestown, Mass.		
BA	Varnum, George E Veeder, Chester F	161 Chelsea St., Charlestown, Mass		
KV	Veeder, Chester F	Gosnold, Mass		
VB	Verbyla, Albert E	40 Curtis Ter Pittsfield Mass		
HX PF	von Colln. Gustaf	44 Flynt St., Quincy, Mass		
ASV	Vose, Charles H	1 Ocean Ter., Lynn, Mass		
ANW	Veroyia, Albert E. Vogel, Edward A. von Colln, Gustaf. Vose, Charles H. Wadleigh, Paul F. Wadsworth, Arthur G. Wadsworth, Philip S. Wallser Alya S.	161 Chelsea St., Charlestown, Mass Gosnold, Mass 7 Center St., Danbury, Conn. 49 Curtis Ter., Pittsfield, Mass. 44 Flynt St., Quincy, Mass. 1 Ocean Ter., Lynn, Mass. Hanover, N. H. Eastham, Mass. 8 Hanover St. Portland, Me.		
QC BE	Wadsworth, Arthur G	Eastham, Mass		
BE	Wadsworth, Philip S	Eastham, Mass.  8 Hanover St., Portland, Me.  69 Dearfield Drive, Greenwich, Conn.  21 Woodbury St., Beverly, Mass.		
VE	Walker, Alva S	21 Woodbury St., Beverly, Mass		
KZ JW	Wadsworth, Philip S Walker, Alva S. Waldie, Thomas G Walker, J. Frank Walker, Leon F Walker, William G Walker, William H Wallace, Malcolm E Wallace, Ralph H Wallace, William H Walter, Elmer H Walter, Howard S	21 Woodbury St., Beverly, Mass Kittery, Me. 45 Nixon St., Dorchester, Mass. 53 Winthrop St., Everett, Mass.		
EIB	Walker, Leon F	45 Nixon St., Dorchester, Mass	1	
ATR	Walker, William G	53 Winthrop St., Everett, Mass	1	
EIT	Walker, William H	Burlington, Mass		
EII	Wallace, Malcolm E	6 Witherbee Ter., Mariboro, Mass		
KC	Wallace, Ralph H	20 Hestings St. Combridge Moss	1	
HP JM	Walter Elmer H	39 Cleveland St., Melrose, Mass.		
EIW	Walter, Howard S	Melrose, Mass. (portable station)		
BW	Walton, Harold F	104 Elm St., Montpelier, Vt		
BW	Walton, Harold F. Ward, J. Stedman. Ware, Stanley P.	53 Winthrop St., Everetf, Mass. Burlington, Mass. 6 Witherbee Ter., Marlboro, Mass. 1192 Morton St., Dorchester, Mass. 30 Hastings St., Cambridge, Mass. 39 Cleveland St., Melrose, Mass. Melrose, Mass. (portable station) 104 Elm St., Montpeller, Vt. 16 John St., Newport, R. 1 75 Winthrop St. Everetf, Mass.		
IP	Ware, Stanley P	16 John St., Newport, R. 1 75 Winthrop St., Everett, Mass. 103 Lexington St., Waltham, Mass.		
MU	Ware, Stanley P. Warren, Bertram E. Watertown High School. See, Colson, Helen B. Watson, Paul W. Weber, John H. Watson, William F. ir	103 Lexington St., Waitham, Mass		
	See, Colson, Helen B.	ATT TIT Ct. Townstt Mann		
JI	Watson, Paul W	17 Waverly St., Everett, Mass 12 Russell St., Lewiston, Me 112 2d St., Newport, R. I. 12 Hampshire St., Everett, Masss.	1	
FZ EB	Weber, John H Watson, William F., jr Webster, Fullerton D	112 2d St. Nawport R. T		

#### FIRST DISTRICT—Continued.

### ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call signal.	Owner of station.	Location of station.	Power
			Kw.
1EAL 1LO	Weeks, Walter R	47 Pleasant St., Marlboro, Mass.	1.0
1CR	Wellington, Ellsworth	79 Prospect St., Stamford, Conn	
1ABI	Wells, Herbert A	32 Nelson St., Dorchester, Mass	
1PP	Welsh, Michael J.	2 Crescent Lodge, Melrose, Mass.	
1PH	Werner, Gustave A. F	73 Hollingsworth St., Lynn, Mass	
1RV	West, Howard E	63 Chestnut Hill Ave., Brighton, Mass	
1NR	Wetherell, Fred L	37 Peck St., Attleboro, Mass	
1VP	Whipple, Harold B	37 Peck St., Attleboro, Mass. 172 Park St., Medford, Mass.	!
1ABW	Whitcomb, Raymond E	12 Gerry St., Stonenam, Mass	
1AT	White, Earle B	Belfast, Me.	
1EMW 1ABZ	White, Elmir L., jr	61 Shurtleff St., Chelsea, Mass.	
1QW	White, I. Davis	Peterboro, N. H. 53 Perkins Ave., Malden, Mass	
IAEW	White, Thomas C	28 Corone St. Dorohester Mass	
IVA	Wickes, Henry W.	38 Corona St., Dorchester, Mass	
IEMX	Wiesemeyer, Max L. A	Stonington, Conn	
1AG	Wilbur, Harold S	R. F. D. No. 6, Auburn, Me.	
1GW	Wiley, James D	1548 Beacon St., Waban, Mass	
1BC	Wilson, Walter F	27 Grand St., South Portland, Me	
1AAW	Winant, Alvin C	West Medway, Mass	
1GF	Wolf, Charles F., jr	62 Division St., Pittsfield, Mass	.5
IATV	Wood, E. Earl	Camden, Me 56 Summer St., Lewiston, Me	.5
1BD 1ESN	Woodhead, Edward F	56 Summer St., Lewiston, Me	.5
IRL	Wright, Ira H	12 Closson St., Methuen, Mass	.5
IATE	Wright, Wendell L Young, Bruce W	114 Exchange St., Rockland, Mass 23 Forest St., Arlington Heights, Mass	.5
IENI	Young, Carl F	501 Union St., Portsmouth, N. H.	.5
IEMY	Young, Frank A	525 W. Main St., Meriden, Conn	.5
1CO	Young, Sumner B	294 Ashmont St., Dorchester, Mass.	.5
1DG	Yuon, Robert C	543 Stanley St., New Britain, Conn.	.5
1PS	Zahn, Edward G	11 Enfield St., Jamaica Plain, Mass	.5
1VC	Zander, Joseph T	34 South St., Ansonia, Conn	.5
IENR	Zarth, William A	69 Myrtle Ave., Stamford, Conn	.5
10Y	Zwinge, Conrad J	776 Winthrop Ave., Revere, Mass	.5

#### ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
1AA	Stackpole, L. E.	1ABE	Taylor, F. W.	1AEH	Halligan, W. J.
1AAA	Not issued.	1ABF	Fitch, C.	1AEI	St. John, F.
1AAB	Massey, J. C.	1ABG	Gravés, A. S.	1AEJ	Bradshaw, W. B.
1AAC	Prinz, J. C.	1ABH	Mooradain, A. P.	1AEK	Sleeper, J. N.
1AAD	Needham, R. W.	1ABI	Wells, H. A.	1AEL	Little, N. C.
1AAE	Baker, W. F.	1ABJ	Brockington, H. G.	1AEM	Johnson, G. W.
1AAF	Baker, W. F. Drew, W. E.	1ABK	Bent, A. E.	1AEN	Rosen, V. E.
1AAG	Ghen, M. W.	1ABL	Campbell, J. A.	1AEO	Redfield, K. A.
1AAH	Pinnington, W.	1ABM	Pratt, P. W.	1AEP	Hunkins, F. L.
1A A I	Gray, A.	1ABO	Donnelly, G. F.	1AEQ	Shaw, A. M.
1AAJ	Custeau, H. G.	1ABP	Pope, D. R.	1AER	Everett Evening
1AAK	Fowle, H. L.	1ABQ	Crosby, L. W.		School.
1AAL	Burt, J. F.	1ABŘ	Stevens, C. L.	1AES	Stone, P.
1AAM	Murray, J. J.	1ABS	Bliss, D. H.	1AET	Holmes, P. B.
1AAN	McNamara, F. W.	1ABT	Coolikoff, Jack.	1AEU	Southworth, A. P.
1AAO	Cheever, W. G.	1ABU	Hertz, W. F. C.	1AEV	Hayden, K. L.
1AAP	Stevens, L. W.	1ABV	McKinney, R. H.	1AEW	Whittaker, L. H.
1AAQ	Butler, J. T.	1ABW	Whitcomb, R. E.	1AEX	Mosher, A. E.
1AAR	Lewis, W. H.	1ABX	Hutchins, A. G., jr.	1AEY	Cross, L. F.
1AAS	Gould, C. S.	1ABY	Carr, A. H.	1AF	Hart, E. A.
1AAT	Allen, L. H.	1ABZ	White, I. D.	1AG	Wilbur, H. S.
1AAU	Donahue, F. J.	1AC	Stubbs, E. T.	1AH	Goularte, M. L.
1AAV	Carter, G. T.	1AD	Smith, E. S. C.	1AI	Perry, H. R.
1AAW	Winant, A. C.	1AE	Dow, H. L.	1AJ_	Fabbri, A.
1AAX	Snow, D. F.	1AEA	deMars, P. A.	1AK	Tabbut, A. R.
1AAY	Etter, E.	1AEB	Flint, A. W.	1AL	Sinnett, C. M.
1AAZ	Bates, R. E.	IAEC	Not issued.	1AM	Butler, Guy W.
1ABA	Beattie, R.	1AED	Beebe, W. J.	1AN	Pratt, R. W.
IABB	Not issued.	1AEE	Dickson, W. E.	1ANA	George, E. B.
IABC	Clark, C. V.	1AEF	Gilman, S.	1ANB	Bacuinka, P. L.
1ABD	Engel, R. B.	1AEG	Cornwell, W. J.	1ANC	Killam, P. S.

#### FIRST DISTRICT—Continued.

#### ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
IAND IANE IANF IANG IANH IANI IANJ IANK IANL IANN	Not issued. Lyman, E. W. Fay, A. N. Godfrey, W. Aldrich, G. E. Erwin, W. C. Bailey, C. E. Kurth, H. L. R. Leonard, J. A. Senior, W. B. Holbrook, F. L. Osborne, R. W. Hyde, C. E.	1ATV 1ATW 1ATX 1ATY 1ATZ 1AU 1AV 1AV 1AX 1AX	Wood, E. E. Brogan, A. R. J. Dean, R. L. Holcomb, H. A. Mitchell, A. H. Huntington, C. Richardson, G. D. Ham, E. G. Davies, O. E. Hill, E. R. Flint, E. R.	1DQ 1DR 1DR 1DS 1DT 1DU 1DV 1DV 1DX 1DX 1DY 1DZ	Doughty, J. H. Smith, P. B. Westmore, R. E. Edgerly, A. H., jr. Frost, R. S. Schwichtenberg, W. A. Holdick, Wm. Sandreuter, S. Redick, K. T. Hammond, G. A.
IANP IANR IANR IANT IANU IANW IANW IANZ IAO IAP IAR IAS IASB	Pamquist, W. Rice, A. H., jr. Stoughton, E. Buck, R. C. Davis, C. D. Reed, P. C. Wadleigh, P. F. Bailey, W. L. Hayward, E. E., jr. O'Hara, J. F. Pickles, J. A. Downing, R. E. Claffin, H. M. Couri, A. N. Sheffield, I. J. Kenison, A. C.	1BA 1BB 1BC 1BD 1BF 1BF 1BH 1BI 1BK 1BL 1BM 1BN 1BN 1BP 1BP 1BR	Varnum, G. E. Lindsay, A. M., jr. Wilson, W. F. Woodhead, E. F. Wadsworth, P. Gates, P. H. Stuart, H. C. Sterling, G. E. Semons, R. W. Somerville, P. S. Morse, W. J. Stone, C. P. Lomnitzer, F. W. Shaw, R. H. Reed, S. A. Mills, B. M. Huckett, H. S. Robinson, B. C.	1EAA 1EAAB 1EACD 1EACD 1EACF 1EAG 1EAG 1EAL 1EAL 1EAL 1EAL 1EAN 1EAN 1EAN	Barker, G. D. Gavin, T. H. Parker, W. G. Hardy, R. Courtney, R. D. Beverly High School. Norwell, J. C. Reeves, C. E. Berry, G. D. Abels, C. A. Brassill, J. J. Blake, W. F. Weeks, W. R. Remington, F. H. Swanton, W. A. La Marche, H. E. Bowers, M. A.
1ASC 1ASE 1ASE 1ASE 1ASH 1ASI 1ASI 1ASK 1ASL 1ASM 1ASN	McRay, J. S. R. Dallin, E. B. Poor, S. Jordan, R. Scher, H. C. Lyman, R. P. Merrow, E. W. Harris, N. Coggins, P. P. Davis, E. W. Koetter, M. W. Arling ton High School. Surrette, A. L. Watertown High	1BT 1BW 1BW 1BX 1BZ 1CA 1CB 1CC 1CC 1CF 1CG 1CH	Cusack, Hoyt, L. P. Walton, H. F. Howe, R. F. Parker, L. F. Taylor, G. F. Stimson, R. C. Southwick, H. F. Robert, F. Hitchcock, W. H. Dole, A. M. Godfray, C. T. Gordon, E. P. Gray, W. D. Hillson, R. F.	IEAQ IEAR IEAT IEAV IEAW IEAY IEAZ IEB IEC IED IEE	Downes, G. H. Jacques, A. E. Taylor, D. F. Feeney, P. F. Bowers, W. K. Tatreault, E. Marshall, R. E. Maurer, F. T. McCarthy, G. E. Furrier, J. P. Watson, W. F., jr. Cosgrove, F. J. Hardy, R. C. Waite, L. A. Birby, H. O.
1ASQ 1ASR 1AST 1ASU 1ASV 1ASX 1ASX 1ASZ 1AT 1ATB 1ATC 1ATD	School. Quinn, A. C. Ludgate, R. V. Spencer, W. B. Brown, I. M. Vose, C. H. Landick, R. E. Sisson, H. D., jr. Davis, H. W. Hendrick, E. A. White, E. B. Kempton, R. J. Dunham, C. S. Pinkham, E. C. Ryan, J. P. Young, B. W.	1CJ 1CK 1CL 1CM 1CN 1CO 1CP 1CQ 1CR 1CS 1CU 1CW 1CW 1CX 1CY	Hillson, R. E. Onens, C. E. Webster, F. D. McLane, H. R. Brown, T. S. Young, S. B. Reynolds, W. W. Reed, C. C. Wellington, E. Furlong, J. Collins, G. A. Manchester, E. F. McIntosh, H. W. Kelly, L. E. Bean, H. W.	IEG IEH IEI IEIA IEIB IEIC IEIC IEIC IEIC IEIC IEIC IEIC	Williams, W. I., Bloom, P. H., Strang, P. S. Tobey, H. A. Walker, L. F. Chesbro, E. L. Anderson, J. D. Leidel, R. J. Towner, F. B. Sacs, J. G. Heffernan, E. J. Wallace, M. E. Knight, W. W. Tarment, R. E. Loheed, W. J., jr. Lewis, K. P.
IATE IATTG IATTI IATTI IATTI IATTL IATTM IATTO IATTP IATTR IATTR IATTR IATTT	Forguson, A. W. Carleton, F. J. Hunt, A. W. Drake, N. L. Black, O. M. Dieter, D. C. Peterson, R. M. Meynell, L. C. Potter, R. G. Davis, E. E. Hatfield, S. J. Spencer, B. M. Walker, W. G. Macurdy, E. H. Kraus, W. L. Doyle, W. J.	1DA 1DB 1DC 1DD 1DE 1DF 1DH 1DH 1DJ 1DK 1DL 1DM 1DM 1DN 1DO 1DP	Johnson, A. A. Peterson, H. C. W. Sheehan, W. J. Robillard, P. Cowles, W. Kelsey, P. C. Yuon, R. C. Cook, L. W. Rhodes, C. A. Cole, G. E. Anderson, H. Steele, M. Dewey, K. C. Balcom, L. Cook, W. T. Himes, N. E.	IEIM IEIN IEIO IEIP IEIQ IEIR IEIR IEIU IEIV IEIV IEIW IEIX IEIY IEIX IEIY	Lewis, K. P. Eaton, L. F. Estabrooks, R. W. Hudder, P. B. Taylor, A. C. Knight, H. C. Newton Technical School. Walker, W. H. Murphy, C. F. Lawyer, L. A. Walter, H. S. Man, E. H. Loomis, G. Donovan, A. B. Robinson, P. F.

# FIRST DISTRICT—Continued.

# ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
		1770			
1EK	Snow, A. E.	1ESO 1ESP	Howard, F. W. Bradshaw, N. V.	1HE	Lynde, K. R. Gardnor, C. R.
1EL	Rosenbloom, W.	1ESQ	Hashronek I.	1HF 1HG	Jarret, L. F.
1EM 1EMA	Hiorns, K. E. Bauer, P. S.	iesk	Hasbrouck, L. Leonard, T.	inn	Bushee, W. H.
1EMB	Lovejoy, J.	1ESS		iHI	Bushee, W. H. Burke, A. W.
1EMC		1EST	Eaton, R. E.	1HJ	Johnson, E. C. 2d.
1EMD	De Lano, R. B. Morrison, R. D. Stacy, F. A. Polleys, W. V., jr. Copeland, S. W. Raber J S.	1ESU	Hek, H. R. Eaton, R. E. Fenno, S. W. Ashland, H. B. Dodge, W. E. A. Meader, R. B. Dodge, J. B. Selbert, L. G. Almquist, F. A. Phalen J. T.	1HK	Johnson, E. C. 2d. Sayward, L. W. Sargent, F. G.
1EME	Morrison, R. D.	1ESV	Ashland, H. B.	1HL	Sargent, F. G.
1EMF 1EMG	Billows W V in	1ESW 1ESX	Mooder R R	1HM 1HN	Hammett, H. M. Anderson, D. H.
1EMH	Coneland S W	iET	Dodge, J. B.	îĦÔ	Bergmann, M. P.
1EMI	Baker, J. S.	1EU	Seibert, L. G.	1HP	Bergmann, M. P. Wallace, W. H.
1EMJ 1EMK	De Lancey, C. P.	1EV	Almquist, F. A.	1HQ	Eberlein, G. H.
1EMK	Dock, L.	1EW		1HR	Eberlein, G. H. Elliott, T. H., jr. Reese, L. A.
1EML	Ryder, M. P.	1EX 1EY	Keyes, P. E. Marcroft, W.	1HS 1HT	Oliver H F
1EMN 1EMO	Straub, A. B. Ireland, W. E.	iĒŽ	Medberry, C. H.	îĤŪ	Oliver, H. E. Karl, H. J. Chutter, G. A. Munro, H. W. T. Vogel, E. A.
1EMP	Petrie, A. L.	122	22000013,0.22	1HV	Chutter, G. A.
1EMQ	Petrie, A. L. Heidel, E. O. Poole, W. H. Poole, W. H. (for	1FA	Gould, C. D.	1HW	Munro, H. W. T.
1EMŘ	Poole, W. H.	1FB	Saunders, F.	1HX 1HY	Vogel, E. A.
1EMS	Poole, W. H. (for	1FC	Baker, C. H. Crie, O. H.	1HZ	Bennett, L. S. Duncan, H. E.
1EMT	Durfee, H). Hoopes, T. T. Rogers, H. A. Dean, J. M.	1FD 1FE	Robinson, L. B.		- univani, al. E
1EMU	Rogers H A	iff	Robinson, L. B. Lowell, P. E.	1IA	Richmond, H. B.
iemv	Dean. J. M.	1FG	Spinney, C. E.	1IB	Stanvan, S. W.
1EMW		1FH	Ham, M. F. Bernier, W. J.	1IC	Keller, A. C. Eddy, J. C.
1EMX	Wiesemeyer, M. Young, F. A. Fortier, M. R. L. Pierce, F. H.	1FI	Bernier, W. J.	iiD	Eddy, J. C.
1EMY	Young, F. A.	1FJ 1FK	Meggison, W. P. Hatch, R. J.	IIE IIF	Leighton H W
1EMZ 1EN	Pierce F H	ifL	Larrabee, C. W.	iig	Patten E. L. O.
1ENA	Martin, P. S.	1FM		1IH	Payton, R. Leighton, H. W. Patten, E. L. O. Fuller, C. C.
IENB	LIONNSON, G. E.	1FN	Knowlton, D. W.	111	Jennings, W. F., jr.
IENC IEND IENE	Hanks, R. C.	1FO 1FP	Knowlton, D. W. Davis, F. R. Coombs, G. T. Leavitt, V. A. Nichels, I. S.	1II	Jennings, W. F., jr. Fassitt, A. J., jr. Ray, C. H.
IEND	McElroy, G. A. Cosman, H. E. Barth, N. E.	1FQ	Leggitt V A	1IK 1IL	
1ENF	Barth N E	ifr	Nichols, J. S.	iim	Saugus High School
IENG	Kennedy, J. A., jr. Grenier, L. J. Young, C. F. Ludington, H. A. American Radio As-	ifs	Nichols, J. S. Nash, W. A.	1IN	Saugus High School. Schwartz, W. P. Mosher, C. E. Ware, S. P. Bishop, D. S. Butterfield, G. W. Briggs, S. M. Hahn, P. F. Krueger, W. H. Sherman, I.
ienh ieni ienj	Grenier, L. J.	1FT	Ackley, E. P.	110 11P	Mosher, C. E.
1ENI	Young, C. F.	1FU 1FV	I Nicholson, J. H.	IIO.	Richon D. C.
1ENK	American Redio As-	ifw	Hill, H. F.	iir	Butterfield G W
	1 SOC.	ifx	Holton, A. M. Griffin, S. A.	1118	Briggs, S. M.
1ENL	Pierson, G. B.	1FX 1FY	Stevens, G. R. Weber, J. H., jr.	IIT IIU	Hahn, P. F.
1ENL 1ENM 1ENN	Pierson, G. B. Ehler, I. H. Gould, R. W. B. Muehl, G.	1FZ	Weber, J. H., jr.	iiu	Krueger, W. H.
IENN	Gould, R. W. B.	1GA	Snow, H. C.	1IV 1IW	Sherman, I. Beckvold, M. P.
1ENO 1ENP	Kollen, H. T.	iGB	Jaques, L. A.	ìifx	Ohlson, O.
IENQ IENR IENS	Berger, S.	iğc	Chadwick G L	IIX IIY	Baxter, H. M.
1ENR	Berger, S. Zarth, W. A. Johnson, G. W.	1GC 1GD	Lane, F. A.	1IZ	St. James, R. T.
1ENS	Johnson, G. W.	1GE	Lane, F. A. Reynolds, W. B. Wolf, C. F., jr.		T
1ENT 1ENU	Brothers, G. W. Barney, G. C. Root, E. L.	1GF 1GG	Shirt, A. G.	IJA IJB	Leathers, J. W. Hovenden, H. C.
iENV	Root, E. L.	iĞĦ	Nickerson, A. B.	ដ្រីc	Parker, J. A.
IENV IENW IENX	Hicks, G. B.	1GI	Higgins, C. H.	l IJD	i Collins, L.
1ENX	Hicks, G. B. Gray, R. C.	101	Nickerson, A. B. Higgins, C. H. Bradbury, L. E. Lang, S. W.	l IJE	Bushway, G. F. Snow, A. E. Pratt, F.
IENY	Flaherty, H. J. Edison, G. H.	1GK	Lang, S. W.	IJF	Buow, A. E.
1ENZ 1EO	Blanchard C T	1GL 1GM	Howe, B. L. Haffcke, P. M.	IJG IJH	Martin E C
iEP	Blanchard, C. T. Crocker, E. P.	ign	Palmer, C. A.	ijÏ	Martin, E. C. Watson, P. W. Tufts Wireless So-
1EQ	Crocker, E. P. Farnum, W. H. McCurdy, B. H.	1GO	Morton, S.	IJJ	Tufts Wireless So-
1ER	McCurdy, B. H.	1GP	Marsh, A. A.		i ciety.
1ES 1ESA	Armstrong, L. W.	1GQ 1GR	Thompson, J. E. Robinson, H. S.	IJK IJL	Batchelder, H. M. Ayres, R. T.
1ESB	Ryron M	igs	McMahon, E. C.	ijМ	Walter, E. H.
1ESC	Armstrong, L. W. Gowell, B. W. Byron, M. Gage, R. W. Lyman, C. F., jr.	1GT	McMahon, E. C. Cummings, F. H. Raumann, H.	1JN	Billotte, L. C.
1ESD	Lyman, C. F., jr.	1GU	Raumann, H.	no	Billotte, L. C. Campbell, J. S. Parkhurst, R. W.
1ESE		1GV	Gavill, W. W.	IJР	Parkhurst, R. W.
1ESF 1ESG	Hampton W G	1GW	French W B-	IJQ IJŘ	
1ESH	Lessard. W.	1GX 1GY	Gavill, W. W. Riley, J. D. French, W. B. Stolba, N. W.	มีรั	Harding, D. W. Powers, L. S. Farmer, E.
1ESI	Phelan, H.	iĞŹ	Stansfield, A. C.	ijs ijt	Farmer, E.
1ESJ	Feeney, E. O. Hampton, W. G. Lessard, W. Phelan, H. Morrill, D. H.		l	LJU .	1 Cook, G. C.
1ESK 1ESL	Dibbins, S. A.	1HA 1HB	Blanchard, R. C.	1JV 1JW	i Chighaim G C
1ESM	Morris, J. Brennan, E. G.	iHC	Cheetham, H. R.	ijχ	Rinaldi, H L
1ESN	Brennan, E. G. Wright, I. H.	İĦD	Travis, G. E. Cheetham, H. R. Sullivan, J. F.	IJX IJY	Walker, J. F. Rinaldi, H. L. Herland, J. N.
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# AMATEUR RADIO STATIONS-Continued.

# FIRST DISTRICT-Continued.

#### ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
1KA	Jepeon, W. F.	1MU	Warren, B. E. Caldwell, G. W.	1PP	Welch, M. J. Allen, P. R.
1KB	Edwards, R. E.	1MV	Caldwell, G. W.	1PQ 1PR	Allen, P. R.
1KC	Wallace, R. H.	1MW	Lynn, H. W.	IPK	Golder, J.
1KD	David, H. E. Blackie, N. E.	IMX IMY	Folse M A I	1P8 1PT	Zahn, E. G.
1KE 1KF	Pennypacker, T. R.	iwz	Calley, E. W. Fales, M. A. L. Clark, L. J.	lipv	Clayton, H. C.
1KG	Allen, F.			1PW	Folsom, R. A. Crosby, C. R.
1KH	Pennypacker, T. R. Allen, F. Lally, C. A. Loring, W. B. Blake, S. S. Pattay, R. A.	1NA	Andonegui, L. Blanchard, R. N. Ekwall, G. O.	iPX iPY iPZ	Murphy, H. J. Pulley, L. A. Ranlett, F. J., jr.
1KI	Loring, W. B.	INB INC IND	Blanchard, R. N.	IPY	Pulley, L. A.
1KJ 1KK	Pettey, R. A.	INC	Mix, D. G.	IFZ	Ramett, F. J., Jr.
iKL	I Stocker C T	INE		1QB	Saunders, G. B.
1KM	Schleehauf, W. W.	INF	Sutcliffe, R. S.	1QC	Wadsworth, A. G.
1KN	Schleehauf, W. W. Plaisted, F. H.	ING	Marshall, T. S.	iQC iQD iQE	Therrien, A. J. Chace, M. D. Nash, P. F.
1K0	Upham, H. B. Fuller, P. D.	INH	Polin C. C.	1QE	Chace, M. D.
1KP	Armstrong, J. B.	1NI 1NJ	Greeley, F. B.	iog	Edmester, E. C.
IKQ IKR	Anderson, A. R.	INK	Coleman, B. B. B. B. Sutcliffe, R. S. Marshall, T. S. Hilliard, D. S. Folin, G. G. Greeley, F. B. Kohl, W. C. Curtis, S., jr. Stark weather, J. B.	1 1014	Melvin, A. W.
1K8	Boy Scouts of Amer-	INL	Curtis, S., jr.	iQJ iQK iQL iQN	Melvin, A. W. Noble, L. C. Black, W. R. Noyes, R.
	ica, Troop I.	INM		iQK	Black, W. R.
1KT 1KU	ica, Troop I. Fruch, F. G. Lamb, C. M.	INN INO INP	Ingalls, G. A. Davis, O. F.	100	
ikv		INP	Travis, G. E.		Morton, A. R.
îĸw	Beering, H. A.	INQ INR	Travis, G. E. Getchell, M. D.	1QP	Kilton, J. A., jr.
1KX	Holt, C. G.	INR	Wetherell, F. L.	၂၂၀၀	McGrath, J. L.
1KY 1KZ	Beering, H. A. Holt, C. G. Hallett, C. E. Waldie, T. G.	1N8	Hyde, I. B. Lynch, J. P.	1QP 1QQ 1QR 1QB	Morton, A. R. Kilton, J. A., jr. McGrath, J. L. Clark, W. C. Croft, T. C.
IKZ	,	INT INU	Campbell, H. G.		
1LA	Spear, G. D.	1NV	Campbell, H. G. Campbell, Miss M. L.	1QU	Shortis, J.
ılb	Blume, C. T. Mass. Int. of Tech.	1NW	McDermott, J. H.	100	White, T. C.
ilc	I Tabarwood W I	INX	McDermott, J. H. Brown, W. C. Lovis, D. B.	10 U 10 W 10 X 10 Y	Shortis, J. White, T. C. Booth, J. D. Hunt, A. M.
1LD 1LE	Isherwood, W. L. Harvard Wireless Club.	INX INY INZ	Knight, G. W.	iQZ	Danehy, E. J.
1LF	Barrett, B. L. Ballon, W. H. Burke, H. M.	10A	Anthony, R. L. O'Brine, D. J. Henry, H. M. Taylor, W. A.	1RA	Hood, R. S.
.1LG	Ballon, W. H.	10B	O'Brine, D. J.	1RB 1RC	Brackett, W. F. Chase, F. H.
1LH 1LI	Durke, H. M.	10C 10D	Taylor W A	iRD	Ericson, A. E.
113	Dwight, H. W. Taylor, J. W.	ioe		1RE	MacLeod, C. M.
iLJ iLK	Haskins, F. C. Justice, F. C. Scott, K. G. Sterling, Roy.	10F	Eldredge, C. R. Tarr, Miss G. E.	1RF	Pennypacker, T. R. Buffinton, W. H.
1LL	Justice, F. C.	10G 10H 10I	Tarr, Miss G. E.	1RG 1RH	Thompson, J. H.
1LM 1LN	Sterling Roy.	IOH	Flanders, F. F. Tyrell, A. B.	iRI	Gawler, H. C.
ilò	Weicker, T., ir.	iŏj	Beecher, G. E.	1RJ	Gawler, H. C. Bailey, W. M.
11.P	Weicker, T., ir. Hitchcock, R. Bennett, W. F., ir. Brigham, E. R. Runey, L. C. Scott, R. A. Staples L. E.	10K	I HIII H K	irk	Prescott, E. M. Wright, W. A.
iLQ iLR	Bennett, W. F., Jr.	10L	Whitmore, J. W. Payson, G. R., jr. Cosgrove, R. D. Smith, K. E.	1RL 1RM	Clements, W. B.
ILK II Q	Runey, L. C.	10M 10N	Cosgrove, R. D.	irn	1 Ege. J. F.
1LS 1LT	Scott, R. A.	iŏô	Smith, K. E.	1RO	Fernald, W. A.
1LU	Staples, L. E.	10P	Daudwill, F. K.	IRP	Duchemin, A. W.
iLV	Turts, J. W.	100	Struthers, F. W.	1RQ 1RR	Sistare, D. B. Rusk, I. M.
1LW	Staples, L. E. Turts, J. W. Miller, R. A. McMahon, W. G. Daykin, L. H.	10R 108	Brown, R. B. Copland, H. D.	IRS	Buzzelle, A. R.
ILX ILY	Daykin, L. H.	10 <b>T</b>	Appelin, G. W.	1RT	i Baskin, Israel.
1LZ	Knight, M.	ion	Cote, A. E.	1RU 1RV	Norcross, W. West, H. E.
1MA	Train S.W.	10V	Anderson, A. E. Stackhouse, W. T.	irw	Steeves. A.
1MB	Irwin, S. W. Boudette, C. M. Murray, A. F. Caswell, C. T.	10W 10X 10Y	Tarr, M. S.	1RX 1RY	Steeves, A. Shorey, G. F.
IMC IMD	Murray, A. F.	10 <b>Y</b>	Zwinge, C. J.	1RY	Newcomb, R. D. Gallagher, E. J.
1MD	Caswell, C. T.	10Z	Doe, C. S.	1RZ	Ganagner, E. J.
1ME 1MF	Angell, O. P. Entwistle, W. R. Turner, E. E. Eaton, H. W. Kelly, R. P. Judkins, N. B.	1PA	Corliss, R. B.	18A	Mercer, W. R.
1MG	Turner, E. E.	1PB 1PC	Hoeffner, F. A.	18B	Corcoran, T. A.
1MH	Eaton, H. W.	1PC	Palmer, R. S.	18C 18D	Lipson, E. Oliver, H. W.
1MI 1MJ	Indeing N B	1PD 1PE	Folsom, O. E.	18E	Phillips. H. D.
1MK	Judkins, N. B. Johnson, T. A. Lyon, W. H. Wood, M. E.	îPF	Hardy, J. von Colln, G. Tyler, S. F.	1SF	Phillips, H. D. Garrett, J. D. Nickerson, E. W.
1ML	Lyon, W. H.	1PF 1PG	Tyler, S. F.	18G	Nickerson, E. W.
1MM	Wood, M. E.	1PH	Werner, G. A. F.	18H 18I	Parmelee, A. O. Alger, J. W.
1MN 1MO		1PI 1P <b>J</b>	Werner, G. A. F. Knight, M. E. Pratt, W. L.	18 <b>J</b>	I Lvnch. S. W.
1MP	Pursell, C. V.	iP <b>K</b> 1PL	Eastman, D. L.	18K	Geer, L. P.
1MO	Sherman, J. E.	1PL 1P <b>M</b>	Stratton, R. A.	18L 18 <b>M</b>	Bearse, E. W.
imr ims	Ostrander, F. K., jr. Pursell, C. V. Sherman, J. E. Leonard, F. D. Rowell, K. B.	1PM	Eastman, D. L. Stratton, R. A. Hartwell, E. G. Pettipas, W. P. Reed, L. S.	18N	Sias, C. W. Colton, R. H. Cash, W. H.
1MT	Mathewson, O. W.	ipô	Reed, L. S.	180	Cash, W. H.
		-	•		•

#### FIRST DISTRICT-Continued.

#### ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
	Lisker, W. Morrison, H. R. Gray, H. L. Gray, H. L. Gray, H. L. Gray, H. L. Gray, H. L. Gray, E. M. Reynolds, J. L. O'Brien, D. W. Burton, H. R. Hersey, R. H. Boy Scouts of America, Troop 2. Hathaway, S. D. Reid, R. A.  Tucker, C. A. Mulvihill, F. A. Ward, J. S. Wilbur, A. E. Sparrow, E. G. Allinson, G. T. Manchester, A. W. Manuel, L. Horgan, F. T. Fitch, C. Stines, S. G. Filmty C. O. Mahoney, C. J. Newton, R. C. Jensen, L. C. Stark, W. H. Clarkson, C. M. Soney, H. C. Stackpole, N. B. Fogg, G. F. Brown, L.		Guilmette, E. J. Pease, R. M. Mellor, J. W. Gates, H. S. Jette, G. E. Caldwell, R. P. Lear, G. F. Thornley, H. W. Frost, E. W. Capillon, E. A. Allen, E. B. Flint, C. O. Peckham, J. W. Doyle, J. B. Classical High School, Prov. Briggs, S. M. Achin, H., jr. Marcroft, J. Rowe, A. E. Hull, E. B. Merritt, H. E. Learned, A. A. Wickes, H. W. Verbyla, A. E. Zander, J. T. McMahon, J. F. Walker, A. S. Mayer, A. W. Dow, J. A. Bollerer, A. V. Slawson, S. W. Frank, L. G.		Belknap, E. L. VanAllen, E. J. Southworth, P. H. Haskell, S. D. Whipple, H. B. Stagg, U. K. Steadman, R. C. Hill, W. J. Morse, H. J. Lewis, G. B. Delage, G. C. Park, F. E., Jr. Becker, C. W. Bueb, J. J., jr. Phillbrook, R. G. Coleman, W. F. Baldwin, J. P. Lefave, S. J. Clark, B. J. Grant, A. A. Barrett, J. H. Palmer, R. C. Neuhaus, T. F. Simkin, C. Stallworth, H. H. Conner, J. A. Lane, C. C. Hitchcock, H. A. Salzgeber, J. W. Loomis, H. C. Blanke, D. C. Balley, P. A. Powell, Ceefl.
iTY iTZ	Champlin, A. R. McHenry, A. T.	ivĸ	Lynn English, High School.	îŵŶ	Hoggson, W.

# SECOND DISTRICT.

[Headquarters: Customhouse, New York, N. Y. The second district comprises the States of New York (county of New York, Staten Island, Long Island, and the counties on the Hudson River to and including Schenectady, Albany, and Renselaer) and New Jersey (counties of Bergen, Passaic, Essex, Union, Middlesox, Monmouth, Hudson, and Ocean).]

#### ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power
		acce Country American N. W.	Kw.
2AEF	Abrams, Milton F., jr	386 Scranton Ave., Lynbrook, N. Y	0. 5 1. 0
2AMA	Ackerman, Rudolph W	Scarsdale, N. Y	1.0
$^{2\mathrm{ANL}}_{2\mathrm{BT}}$	Adams, Chester D	1048 Julia St., Elizabeth, N. J.	
2AA	Adams, Exercit I	22 Stockton St., Bloomfield, N. J.	.5
2TQ	Adoms F William is	392 Franklin St., Bloomfield, N. J.	
2AOF	Adams John D	179 6th Ave North Troy N V	
2AAY	Adicker Ernest D	172 6th Ave., North Troy, N. Y	1.0
2AMV	Adolph Herbert	1167 Clay Ave New York N Y	
2VQ.	Agnoli Justus I	16 Purvis St., Long Island City, N. Y.	1
2AQO	Alexander, Bronson H.		
2LA	Alfaro, Richard F		1.0
2ARF	Allen, Edwin W. and James J., jr.	Chatham, N. J.	
2AMK	Allin Willis F	1148 Fairmount Ave., Elizabeth, N. J	
2US	Allstrom F Condit	46 Chestnut St. East Orange N. I	
2AHC	Amv. Ernest V	48 W. 70th St., New York, N. Y.,,,,,,,,	.:
2AKZ	Anderson, Lansdell	1 996 Sylvania Ave. Avon-by-the-Sea. N. J.	
2WI	Anderson, Robert N	353 Warburton Ave., Yonkers, N. Y	
2ALG	Angen, John	1075 Elizabeth Ave., Elizabeth, N. J	
2ARV	Appell, Daniel T	41 St. Nicholas Ter., New York, N. Y	
2UR	Arany, Leo	123 W. 112th St., New York, N. Y	

# SECOND DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Power.
	•		Kw.
2EG	Aranyi, Egmont	123 W. 112th St., New York, N. Y. 78 Roosevelt Pl., Freeport, N. Y. Chatham, N. Y. 11 Pavonia Ave., Arlington, N. J. Savville N. V.	0.5
2BS 2GL	Ashley George	78 Roosevelt Pl., Freeport, N. Y	. 5 . 5
2I P	Ashley, George Ashmall, William E., jr Averill, William H	11 Pavonia Ave., Arlington, N. J.	1.0
2APE	Averill, William H	Sayville, N. Y	1.0
2A L∇ 2J N	Atkinson, Benjamin Atwater, Charles K Atwater, Frank G., jr	40 Oakwood Ave., Upper Montclair, N. J	.5
2MR 2NY	Atwater, Frank G., jr	11 Pavonia Ave., Arlington, N. J. Sayville, N. Y. 496 Park Ave., Paterson, N. J. 400 Oakwood Ave., Upper Montelair, N. J. 1562 E. 15th St., Brooklyn, N. Y. 49 St. Nicholas Ter., New York, N. Y. 4 Spruce St., Corona, N. Y. Harrison, N. Y. 253 W. 116th St., New York, N. Y. 253 W. 116th St., New York, N. Y. 361 Eastern Parkway, Brooklyn, N. Y. 17 Sharp Ave., Port Richmond, N. Y. 34 Orchard St., Jamaica, N. Y. 649 W. 184th St., New York, N. Y. 311 Macon St., Brooklyn, N. Y.	1.0
2AMR	Avery, John	4 Spruce St., Corona, N. Y.	.5
2R W 2A P X	Atwater, Frank G., Jr. Austrian, Ralph B. Avery, John. Bally, Hobart W. Baker, Alvah L. Baker, William N.	Harrison, N. Y.	.5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5
2LO	Baker, William N	881 Montgomery St., Jersey City, N. J.	.5
2A R A 2A 1 X	Balison, Howard Ballentine, Harold E Bangert, Valentine F., jr Banta, Theodore C	361 Eastern Parkway, Brooklyn, N. Y	.5
2DL	Bangert. Valentine F., ir	34 Orchard St., Jamaica, N. Y.	.5
2BD	Banta, Theodore C	76 Walnut St., Ridgewood, N. J.	.5
- 2A Q P 2PC	Bargebuhr, Herbert M Barriette, Samuel L. Barron Avenue High School.	311 Macon St., Brooklyn, N. Y	.5
	Barron Avenue High School.		
'2GB	See Love, John H. Bartlett, Bernard W	507 Westfield Ave., Westfield, N. J	.5
2CJ	Bartlett, Bernard W	507 Westheid Ave., Westheid, N. J. 102 High St., Passaic, N. J. 307 Berriman St., New York, N. Y. Waterwitch, N. J. 106 Wahnut St., Ridgewood, N. J. 12 Callister St., New York, N. Y. 35 Hooker Ave., Poughkeepsie, N. Y. 231 79th St., Brooklyn, N. Y. Fanwood, N. J. 62 Elizabeth St. West New Brighton, N. Y.	.5
2A DV 2A FZ	Beaton, J. Donald	Waterwitch, N. J.	.5
2EJ		106 Walnut St., Ridgewood, N. J.	. 5
2CZ 2A G E	Becker, Frank.  Bedell, Walter R.  Beechel, George H. J.  Beeken, William S.	12 Callister St., New York, N. Y. 35 Hooker Ave., Poughkeepsie, N. Y.	.5
2A G E 2C O	Beechel, George H. J	231 79th St., Brooklyn, N. Y	.5
2ACX	Bell, Arthur E	Fanwood, N. J	.5
2MV 2WN	Beller, William A. G	588 Essex St., Brooklyn, N. Y	.5
2AGA 2AQX	Belsky, Walter	Fanwood, N. J. 92 Elizabeth St., West New Brighton, N. Y. 588 Essex St., Brooklyn, N. Y. 1134 Findlay Ave., New York, N. Y. Bryant High School, Long Island City, N. Y. Newburgh, N. Y.	1.5
2LL	Benedict, Alonzo R	Newburgh, N. Y.	.5
2A P 2A L W	Bell, Artnur E. Beller, William A. G. Belsky, Walter Bement, Frederic. Benedict, Alonzo R. Benson, Edwin. Benson, Edwin. Benson, Warren B. Bentzig, Victor H. Benzing, Herman A. Berger, P.	Bryant High School, Long Island City, N. Y. Newburgh, N. Y. 2567 Bedford Ave., Brooklyn, N. Y. 4 Fuller Pl., New York, N. Y. 165 Woodmere Pl., Richmond Hill, N. Y. 802 E. Jersey St., Elizabeth, N. J. 171 Parker St., Newark, N. J. 206 High St., Brooklyn, N. Y. 206 High St., Brooklyn, N. Y. 220 Ist Ave., Mt. Vernon, N. Y. 497 E. I7th St., Brooklyn, N. Y. 56 Rockdale Ave., New Rochelle, N. Y. 238 Valley Rd., Montclair, N. J. 280 Clark Ave., Ocean Grove, N. J. 220 Park Ave., Plainfield, N. J. 170 Jersey St., New Brighton, N. Y. 198 Main St., Nyack, N. Y. 318 33d St., Woodcliff-on-Hudson, N. J. 8 E. Barbour St., Haledon, N. J.	.5 .55 .55 .55 .55 .55 .55 .55 .55 .55
2TE	Bentzig, Victor H	165 Woodmere Pl., Richmond Hill, N. Y	.5
2AHA 2ARY	Benzing, Herman A	802 E. Jersey St., Elizabeth, N. J.	.5
2PN	Berger, George P. Berger, H. C. V. B.	33 Pennington Ave., Passaic, N. J.	.5
2AHS 2AFB	Bergner, James A. Berlin, Benjamin. Bernstein, Arthur W.	1252 Flatbush Ave., Brooklyn, N. Y.	.5
2NT	Bernstein, Arthur W	220 1st Ave., Mt. Vernon, N. Y	.5
2M8 2AMH	Berri, Herbert. Bettels, Edward T. Bettels, Edward T. Bils, Charles A. Blackford, Harold W. Blanchard, Wesley 8. Blauvelt, William M.	497 E. 17th St., Brooklyn, N. Y. 56 Rockdale Ave. New Rochelle, N. Y.	.5
2MN	Betts, Philander H	238 Valley Rd., Montclair, N. J.	.5
2AIF 2QB	Bils, Charles A	86 Clark Ave., Ocean Grove, N. J	.5
2FO 2CR	Blanchard, Wesley 8	170 Jersey St., New Brighton, N. Y	.5
2CR 2SP		198 Main St., Nyack, N. Y.	1.0
2AHK	Bocchio, Raymond.  Bodkin, Laurence G.  Boeder, Arthur R.	8 E. Barbour St., Haledon, N. J.	.5
2A F A 2J D	Bodkin, Laurence G	290 Clinton Ave., Brooklyn, N. Y	1.0
2PY	Bogardus, Henry L Bohman, Albert Bohn, William C Bona, Edward	327 Bergen Ave., Jersey City, N. J.	.5
2A QS 2T P	Bohman, Albert	122 Wilbur Ave., Long Island City, N. Y	.5
2ARG	Bona, Edward	82 Van Nostrand Ave., Jersey City, N. J.	.5
2UG 2ME	Bondeaux & Knights	862 Hewitt Pl., New York, N. Y.	1.0
2AQM 2ASM	Borax, Isidor	226 W. 121st St., New York, N. Y.	.5
2ASM 2AEK	Borduin, David	61 Plantern Ave., Prospect Park, N. J.	1.0
2LW	Breen, Thomas J	353 E. 193d St., New York, N. Y.	1.0
2ARN 2AII	Bona, Edward Bondeaux & Knights. Booth, Sherman F Borax, Isidor Borduin, David Brainard, Edward S Breen, Thomas J Bremer, Frank V Brewster Carleton, jr	3613 Boulevard, Jersey City, N. J.	.5
2A A S	Brick, Frank R., jr	50 Avenue B, Bayonne, N. J.	1. 0
2G F 2A FC	Brockman, Francis C	226 Walnut St., Roselle Park, N. J.	1.0
2CL	Brooklyn Telegraph School.	313 Fulton St., Brooklyn, N. Y	.5
2FU 2AJF	Brooms, L. Van V	510 W. 113th St., New York, N. Y	. 5
2FF	Brower, Harold S	19 S. Clinton St., Poughkeepsie, N. Y.	.5
2ANT 2VM	Brown, Mortimer	198 Main St., Nyack, N. Y 318 33d St., Woodcliff-on-Hudson, N. J. 8 E. Barbour St., Haledon, N. J. 290 Clinton Ave., Brooklyn, N. Y. 3430 Duncomb Ave., Brooklyn, N. Y. 3430 Duncomb Ave., Jersey City, N. Y. 327 Bergen Ave., Jersey City, N. J. 122 Wilbur Ave., Long Island City, N. Y. 1515 2d Ave., New York, N. Y. 28 Van Nostrand Ave., Jersey City, N. J. 862 Hewitt Pl., New York, N. Y. 29 Award St., New York, N. Y. 206 W. 121st St., New York, N. Y. 400 W. Franklin Ave., Ridgewood, N. J. 353 E. 193d St., New York, N. Y. 3613 Boulevard, Jersey City, N. J. 20 Ocean Ave., Bay Shore, N. Y. 50 Avenue B., Bayonne, N. J. 226 Walnut St., Roselle Park, N. J. 226 Walnut St., Roselle Park, N. J. 2313 Fulton St., Brooklyn, N. Y. 315 Chestnut St., Roselle Park, N. J. 19 S. Clinton St., Poughkeepsle, N. Y. Sayville, N. Y. 1808 Grand Concourse, New York, N. Y.	1.0 .5 .5 .5 .5 .5 .5
2KD	Brewster Carleton, Jr Brick, Frank R., Jr Brockman, Francis C. Broggini, Claud. Brooklyn Telegraph School. Brooks, L. Van V. Broome, Frank H. Brower, Harold S. Brown, Mortimer. Browne, Philip T. Browne, Walram S.	Sayville, N. Y 1808 Grand Concourse, New York, N. Y. 1565 E. 12th St., Brooklyn, N. Y.	1.0

# SECOND DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power
			Kw.
2JR 2AMI	Bruce, Edmond. Brush, George S., jr. Bryant High School. See	2049 63d St., Brooklyn, N. Y. 326 E. Main St., Patchogue, N. Y. 326 E. Main St., Patchogue, N. Y. 4 Main St., Perth Amboy, N. Y. 128 Market St., Perth Amboy, N. J. 5 W. 117th St., New York, N. Y. 4 Hemlock Pl., New Rochelle, N. Y. 203 Bay 31st St., Bensonhurst, N. Y. 396 E. 16th St., Brooklyn, N. Y. Keansburg, N. J. (portable station) 1160 3d Ave., New York, N. Y. 85 N. 120th St., Rockaway Park, N. Y. 96 Forest Ave., Glen Ridge, N. J. 245 Pacific St., Brooklyn, N. Y. Brightwaters, N. Y. 92 Highland Ave., Yonkers, N. Y. 117 Marshall St., Elizabeth, N. J. 183 Drake Ave., New York, N. Y. 273 S. Main St., Hempstead, N. Y. 204 W. 149th St., New York, N. Y. 135 Waverly Pl., New York, N. Y. 1531 Sewell Ave., Asbury Park, N. J. 1628 11th Ave., Brooklyn, N. Y. 155 Broad St., Keyport, N. J. 268 11th Ave., Brooklyn, N. Y. 380 Vernon Ter., East Orange, N. J. 274 Audubon Ave., New York, N. Y. 380 Waterly St., New York, N. Y. 381 Werner St., Keyport, N. J. 281 Audubon Ave., New York, N. Y. 380 Vernon Ter., East Orange, N. J. 392 Willet Ave., Port Chester, N. Y. 393 Pitkin Ave., Brooklyn, N. Y. 393 Will Ave., Brooklyn, N. Y. 394 Glenson St., Brooklyn, N. Y. 395 Willet Ave., Port Chester, N. Y. 396 Other St., Brooklyn, N. Y. 397 Maple St., Brooklyn, N. Y. 398 Pitkin Ave., Brooklyn, N. Y. 398 Wernon Ter., East Orange, N. J. 392 Willet Ave., Port Chester, N. Y. 394 Ocherry St., West Orange, N. J. 395 Willet Ave., Brooklyn, N. Y. 396 Oshand Ave., New York, N. Y. 396 Oshand Ave., New York, N. Y. 396 Oshand Ave., New York, N. Y. 396 Oshand Ave., New York, N. Y. 397 Oshand Ave., New York, N. Y. 398 Handespeare Ave., New York, N. Y. 399 Oshand Ave., Jersey City, N. J. 499 Oshand Ave., Jersey City, N. J. 490 Glenwood Rd., Upper Montclair, N. J. 497 Mt. Hope Pl., New York, N. Y.	0.
2AF 2MH	Bryant, Marquis V	6 S. Highland Ave., Nyack, N. Y.	
2MH	Bement, Frederic. Bryant, Marquis V. Buchanan, William F. Buchheister, Morris.	128 Market St., Perth Amboy, N. J.	
2ACN 2NL	Buckman, John R	5 W. 117th St., New York, N. Y.	
2AKO	Burns, Raymond N. Butler, Robert M. Butler, Robert M. Buttner, Edwin T. Buttner, Edwin T. Byrne, William Cadmus, Le Roy G. Caggiano, Carmine J. Cann. Victor F.	203 Bay 31st St., Bensonhurst, N. Y	
2AID	Butler, Robert M	396 E. 16th St., Brooklyn, N. Y	
2AJ 2AGM	Buttner, Edwin T	Keansburg, N. J. (portable station)	
2AHR.	Byrne William	85 N 120th St Rocksway Park N V	
2ACQ 2WK	Cadmus, Le Roy G	96 Forest Ave., Glen Ridge, N. J.	
WK	Caggiano, Carmine J	245 Pacific St., Brooklyn, N. Y	1.
2RL 2ARP	Campbell George C	Brightwaters, N. Y.	1.
2ES	Campbell, Robert, ir	117 Marshall St., Elizabeth, N. J	1.
2SX	Cannon, George C	183 Drake Ave., New Rochelle, N. Y	1.
PALK	Camp, Victor F. Campbell, George C. Campbell, Robert, Ir. Cannon, George C. Capillon, Edward A. Carpenter, Stephen C. Carr. John	799 Park Ave., New York, N. Y	
PAJC	Carr, John	204 W. 149th St., New York N V	
PT A	Carruthers, David	135 Waverly Pl., New York, N. Y.	
AKE	Cater, Raymond Caulfield, James V Cawman, David L	Keyport, N. J.	
PADB	Caumeid, James V	2331 185th St., New York, N. Y	
PAPY	Charleton, Eugene E	1628 11th Ave., Brooklyn, N. Y.	1.
PAOC	Cherry, George S	155 Broad St., Keyport, N. J	
2DS 2AQJ	Charleton, Eugene E Cherry, George S Clark, Le Roy Clarkin, William Class, Charles L Codaday, Lawrence M Cohan, Edwin K Cohen, Monte Cohen, Samuel Collignon, Francis A Collins, Frank J Collinson, Jesse G Collinson, Percy B	Chestnut St., Englewood, N. J.	1.
PAOK	Class Charles L	2416 MOTTIS AVe., New YORK, N. Y	
AAK	Codaday, Lawrence M	227 Audubon Ave., New York, N. Y.	1.
2MY	Cohan, Edwin K	601 W. 156th St., New York, N. Y.	1.
PARR PPS	Cohen Samuel	310 W. 14th St., New York, N. Y.	
VHS	Collignon, Francis A	352 Willet Ave., Port Chester, N. Y.	-
TZ	Collins, Frank J	22 Cedar St., Yonkers, N. Y	
RT	Collison, Jesse G	70 Cherry St., West Orange, N. J	
HW	Collison, Percy B. Combes, Rae. Comes, William J. Connor, Harold G.	28A E. 42d St., Brooklyn, N. I	
ZAHI	Comes, William J	14 Geneva St., Newark, N. J.	
2FQ 2JC	Connor, Harold G	827 3d Ave., North Troy, N. Y.	-
WMAS	Connors, James	36 116th St. New York N. V	
PADY	Cooper, William S	566 53d St., Brooklyn, N. Y	
PHF	Coote, Charles W	240 Audubon Ave., New York, N. Y	
2KA 2IG	Corwin George E	46 Hanford St., New York, N. Y	
2LD	Cotter, William F	68 Oakland Ave., Jersey City, N. J.	
VK ZIT	Connors, James Coon, George Cooper, William S. Coote, Charles W. Corwin, George E. Cotter, William F. Covert, James D. Cowper, Norman C. Crinnion, Edward T. J. Crocker, Frank H. Cronemeyer, Edmund G. Cronin, William Crosby, Roy C. Crosby, Warner N. Crowe, Howard A.	40 Glenwood Rd., Upper Montclair, N. J.	1.
AER	Crippion Edward T I	Lynbrook, N. Y.	1.
DP	Crocker, Frank H.	40 Glenwood Rd., Upper Montclair, N. J. Lynbrook, N. Y. 63 Mt. Hope Pl., New York, N. Y. 11 Broadway, Rockville Center, N. Y. 1201 Vyse Ave., New York, N. Y. 526 W. 174th St., New York, N. Y. 211 W. 148th St., New York, N. Y. Saddle River, N. J. Harrison, N. Y. Fair Haven, N. J. 2132 Washington Ave., New York, N. Y.	
2GJ	Cronemeyer, Edmund G	1201 Vyse Ave., New York, N. Y	
ZAJV ZEM	Crosby Roy C	526 W. 174th St., New York, N. Y.	
PADM	Crosby, Warner N.	Saddle River, N. J	
PANQ	Crowe, Howard A	Harrison, N. Y	
PABF PKJ	Crozier, Edward A. Cummings, Frank X. Cushman, Charles D., jr	Fair Haven, N. J.	
PADT	Cushman Charles D. ir	137 Davis Ava New Brighton N V	
DI	Cyriax, Ernest A Dahlgren Birger A Dahms, Herbert	219 E. 71st St., New York, N. Y	
2GG	Dahlgren Birger A	1652 41st St., Brooklyn, N. Y	
2BJ 2CE	Danms, Herbert Dain, John W	21 Manitou Ave., Poughkeepsie, N. Y	1
2AD		Fair Haven, N. J. 2132 Washington Ave., New York, N. Y. 2137 Davis Ave., New Brighton, N. Y. 219 E. 71st St., New York, N. Y. 219 E. 71st St., Brooklyn, N. Y. 21 Manitou Ave., Poughkeepsie, N. Y. 21 Manitou Ave., Poughkeepsie, N. Y. 313 James St., Peekskill, N. Y. 415 Newell Ave., Rutherford, N. J. 659 W. 179th St., New York, N. Y. 308 W. 112th St., New York, N. Y. 308 W. 112th St., New York, N. Y. 3234 4th St., Union Hill, N. J. 809 Park Pl., Brooklyn, N. Y. 22 N. Park Ave., Rockville Center, N. Y. 86 Henry St., Passaic, N. J.	1.
TAAS	Dartiguenave, Henry P	659 W. 179th St., New York, N. Y.	
RAGY	Davies Richard I ir	308 W. 112th St., New York, N. Y	1
AGX	Davis, Clarence F	809 Park Pl., Brooklyn, N. Y.	1
CX	Davison, Walter H., jr	22 N. Park Ave., Rockville Center, N. Y	1
2NA 2AIS	Dammers, Albert. Dartiguenave, Henry P. Davidson, Arthur. Davies, Richard J., jr. Davis, Clarence F. Davison, Walter H., jr. Dawley, Earle R. Dawson, Fred. Dav. Howard R.	86 Henry St., Passaic, N. J.	
KK	Day, Howard B	86 Henry St., Passaic, N. J. 64 Laurel Ave., Arlington, N. J. 555 Mountain Ave., Westfield, N. J.	1.
W. A. S. S.	Day, Howard B. de Calahorra, Amadeo S. See Saenz de Calahorra,		1
	I See Saenz de Calaborra.		

# SECOND DISTRICT—Continued.

Call signal.	Owner of station.	Location of station,	Power.
		21 Valley Rd., White Plains, N. Y 7 Odell Ave., White Plains, N. Y 16 Elm St., Mt. Vernon, N. Y 46 N. 5th St., Hudson, N. Y Garden City, N. Y Slingerlands, N. Y Fair Haven, N. J 253 Vernon Ave., Brooklyn, N. Y 1656 Parker St., Westchester, N. Y 689 Broadway St., Paterson, N. J 91 Greenbridge Ave., White Plains, N. Y 1649 Amsterdam Ave., New York, N. Y 1038 Garden St., Hoboken, N. J 13 Sherman Ave., Yonkers, N. Y 2304 4th St., Jersey City, N. J 585 Amsterdam Ave., New York, N. Y 131 Clarewill Ave., Westfield, N. J 131 Clarewill Ave., Upper Montclair, N. J 132 S. Swan St., Albany, N. Y 255 Circuit St., New York, N. Y 255 Circuit St., New York, N. Y 2676 Anderson Ave., New York, N. Y 2676 Anderson Ave., New York, N. Y 278 W. 145th St., New York, N. Y 281 Amherst Ave., Jamaica, N. Y 281 Jersey Ave., Jersey City, N. J 28 Buckingham Rd., Brooklyn, N. Y 29 Buckingham Rd., Brooklyn, N. Y 203 Highland Ave., Highland Park, N. J 29 Buckingham Rd., Brooklyn, N. Y 206 Edgecombe Ave., New York, N. Y 279 Marcy Ave., New York, N. Y 280 Highland Ave., Warden, N. Y 280 Highland Ave., Warden, N. Y 280 Highland Ave., Warden, N. Y 281 Lamberst Ave., Brooklyn, N. Y 282 Buckingham Rd., Brooklyn, N. Y 283 Linden Ave., Brooklyn, N. Y 284 Linden Ave., Brooklyn, N. Y 285 Rooklyn, N. Y 286 Linden Ave., Brooklyn, N. Y 287 Linden Ave., Brooklyn, N. Y 288 Linden Ave., Brooklyn, N. Y 296 Broadway, New York, N. Y 297 St. Nicholas Ave., New York, N. Y 298 Broadway, New York, N. Y 296 Highland Ave., Brooklyn, N. Y 296 Broadway, N. Y 296 Highland, N. Y 296 Broadway, N. Y 297 St. Nicholas Ave., New York, N. Y 298 Broadway, New York, N. Y 299 Broadway, N. Y 290 Highland Ave., Brooklyn, N. Y 290 Highland Ave., Brooklyn, N. Y 290 Highland Ave., Brooklyn, N. Y 291 St. Nicholas Ave., New York, N. Y 292 W. 930 St., New York, N. Y 293 Brierside Drive, New York, N. Y 294 Emerson Pl., Brooklyn, N. Y 295 Brierside Drive, New York, N. Y 298 Riverside Drive, New York, N. Y 298 Riverside Drive, New York, N. Y 298 Riverside Drive, New York, N. Y 298 Highland Av	Kw.
2AFN	Decker, Ralph W. E Decker, Ralph W. E	21 Valley Rd., White Plains, N. Y	1.0
2VS	Decker, Ralph W. E	7 Odell Ave., White Plains, N. Y	1.0
2JX 2AJX	De Cortin, Gustav A Dederick, Harry Cde Forest, Edward L., jr	46 N. 5th St., Hudson, N. Y	.5
2TL	de Forest, Edward L., jr	Garden City, N. Y	. 5
2AAB	Deitz, Burr V	Slingerlands, N. Y	. 5
2JT	Deitz, Burr V Dennis, Frederick F Derx, Martin, jr De Vizio, Joseph De Yoe, Willard L Dickenson, Henry E Dickey, Edward T Dickinson, Edwin A	Fair Haven, N. J.	.5
2CF 2AJG	De Vizio Loseph	1656 Porker St. Westchester N. V.	1.0
2AS	De Yoe, Willard L	689 Broadway St., Paterson, N. J.	. 5
2TC	Dickenson, Henry E	91 Greenbridge Ave., White Plains, N. Y	
2CN	Dickey, Edward T	1649 Amsterdam Ave., New York, N. Y	. 5
2ARX	Dickinson, Edwin A	13 Sharman Ave. Vonkers N. V.	
2GY 2ARM	Dimmick, F. Ray	2301 4th St., Jersey City, N. J.	
2ALL	Dinga, William E	585 Amsterdam Ave., New York, N. Y	
2AFE	Dix, Harold S	115 Harrison Ave., Westfield, N. J.	. 5
2ABO	Dickey, Edward T Dickinson, Edwin A Dietz, Walter Dimmick, F. Ray Dinga, William E Dix, Harold S Dodd, H. Hanson Dodds, Andrew C Donohue, Peter J Donovan, Etienne S Doty, Walter P Draper, George B Droste, George T Drury, Frank Dugan, Edward W Dunham Clarence L	131 Clarewill Ave., Upper Montclair, N. J	
2RO 2EZ	Donohue Peter I	103 W. 60th St., New York N. Y	
2ML	Donovan, Etienne S.	255 Circuit St., New Rochelle, N. Y.	
2EA	Doty, Walter P	478 W. 145th St., New York, N. Y	
2AIA	Draper, George B	1076 Anderson Ave., New York, N. Y	
2EU 2AQA 2IY	Droste, George T	21 Amberst Ave. Jamaica N. V.	
2IV	Dugan, Edward W	631 Jersey Ave., Jersey City, N. J.	
2TN	Dunham, Clarence L	250 Woodlawn Ave., Jersey City, N. J	. 5
2ACV	Dunham, John S	22 Buckingham Rd., Brooklyn, N. Y	.5
2ALI	Dunham, Nelson	103 1st Ave., Highland Park, N. J.	1.0
2HT	Forla William P ir	White Plains N V	
2RG 2AV	Eastern District Y. M. C. A.	179 Marcy Ave., New York, N. Y	
2AI	Eber, John G	5505 3d Ave., Brooklyn, N. Y	
2ADE	Eckler, H. D	30 Highland Ave., Walden, N. Y	
2QJ	Dugan, Edward W Dunham, Clarence L Dunham, John S Dunham, Nelson Dunn, Alan C Earle, William P., jr Eastern District Y. M. C. A Eber, John G Eckler, H. D Eckley, Harold J Eckstein, William J Edwards, Joseph B Eddy, John L., jr Egolf, Richard S Ellingham, Irving	Beechmont Pk., New Rochelle, N. 1	1.0
2PG 2AEH	Edwards Joseph B	236 Linden Ave., Brooklyn, N. Y	1.5
2AKN	Eddy, John L., jr	11 3d Ave., New Brighton, N. Y	
2LE	Egolf, Richard S	1122 49th St., Brooklyn, N. Y	
2AGY	Ellingham, Irving	302 Broadway, New York, N. 1	
2IQ 2RG	Elroe Mfg & Trading Co	White Plains N. Y	1.0
2ST	Eglin, Richard S Ellingham, Irving Elliott, Paul C Elrae Mfg. & Trading Co Emanuel, John H., Jr Engelhart, Lawrence	Englewood, N. J	
2EP	Engelhart, Lawrence	New Dorp, N. Y	
2ET	England, George B	917 St. Nicholas Ave., New York, N. Y	
2ASO	Engstrom, Joseph E Erasmus Hall High School	Flathush Ave Brooklyn N Y	1
2OC 2ARZ	Erickson, Evald T. Erven, Raymond P. Estberg, Hugo L.	Harrison, N. Y.	1
2A00	Erven, Raymond P	Keansburg, N. J	
2AIR	Estberg, Hugo L	682 Bergen St., Brooklyn, N. Y	1 .
2FR	Estorrs, Hugo L Ettlinger, Albert. Evans, Arthur F Everingham, Charles E. Everitt, William L Faraon, Adolph J	246 Emerson Pl. Brooklyn N Y	
2UF 2AHY	Everingham, Charles E.	206 9th St., Troy, N. Y	
2∢BI	Everitt, William L	724 South St., Peekskill, N. Y	1.0
2∀BI 2IC	Faraon, Adolph J	536 Hudson St., Hoboken, N. J	1.0
2PM 2JK	Farson, Adolph J Farson, Adolph J Farson, Rene J Feeney, Walter Felix, Edgar Felt, George G Ferguson, George M Ferguson, James B., jr Ferris, Clinton S Ferris, Malcolm Fingerlin, Harold J	Belle Harbor, N. Y	1.0
2JK 2IB	Faraon, Kene J	515 McLean Ave., Yonkers, N. Y.	1.0
2ADQ	Felix, Edgar	528 Riverside Drive, New York, N. Y	1.0
2ANY	Felt, George G	528 Riverside Drive, New York, N. Y. Hawthorne, N. Y. 303 Stuyvesant Ave., Brooklyn, N. Y. 331 E. 173d St., New York, N. Y. 409 Smith St., Peekskill, N. Y. Seaside Park, N. J. 206 Washington Ave., Rockaway Beach, N. Y. 315 Lenox Rd., Brooklyn, N. Y. 27 Highland Ave., Middletown, N. Y. Lynbrook, N. Y. 1421 Narrows Ave., New York, N. Y. Lynbrook, N. Y. 1421 Narrows Ave., New York, N. Y.	
2ARC	Ferguson, George M	303 Stuyvesant Ave., Brooklyn, N. Y	
2MZ	Ferguson, James B., Jr	400 Smith St. Peekskill N V	1 1
2AQT 2CY 2ALE	Francis Molecular	Seaside Park, N. J.	1
2ALE	Fingerlin, Harold J	296 Washington Ave., Rockaway Beach, N. Y	
2AIQ 2ANF 2AEM	Fine Fingerlin, Harold J. Fink, Gustave Fish, Edward H. Fishoff, Louis A.	315 Lenox Rd., Brooklyn, N. Y.	
2ANF	Fish, Edward H	21 Highland Ave., Middletown, N. 1	
2RU	Fletcher, Jordon I	Lynbrook, N. Y.	1.0
2WB	Fogetti, Howard J	7421 Narrows Ave., New York, N. Y	
2ANM	Foot, N. Brainard	1432 75th St., Brooklyn, N. Y	
2TB	Ford, Everett J	318 Randolph Ave., Jersey City, N. J	1.0
2TB 2FV 2IR	Fishoff, Louis A Fletcher, Jordon J Fogetti, Howard J Foot, N. Brainard Ford, Everett J Foster, Dudley E Foulke, J. Brion, jr. Fowler, Jack B	Lynbrook, N. Y. 7421 Narrows Ave., New York, N. Y. 1432 75th St., Brooklyn, N. Y. 318 Randolph Ave., Jersey City, N. J. 423 4th Ave., Newark, N. J. Babylon, N. Y. 676 Lincoln Pl., Brooklyn, N. Y.	
2WM	L outke, o. Dilon, J	and The La Di December M V	1

# SECOND DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.  1662 70th St., Brooklyn, N. Y. 408 Main St., Union, N. J. 294 W. 92d St., New York, N. Y. 97 Bruce Ave., Yonkers, N. Y. 80uthampton, N. Y. 439a McDonough St., Brooklyn, N. Y. 156 N. Arlington Ave., East Orange, N. J. 1531 2d Ave., New York, N. Y. Preakness, N. J. 540 W. 158th St., New York, N. Y. 517 Park St., Upper Montclair, N. J. 608 All St., St., Walley St., Adams, N. Y. 2324 Reid Ave., Brooklyn, N. Y. Center Ave., Little Falls, N. J. 15 Prospect St., Adams, N. Y. 2324 Reid Ave., Brooklyn, N. Y. Center Ave., Little Falls, N. J. 1 Walton Ave. New York, N. Y. Kinderhook, N. Y. West Brighton, N. Y. West Brighton, N. Y. West Brighton, N. Y. 1709 Park Ave., New York, N. Y. 1710 Park Ave., New York, N. Y. 1710 Caton Ave. New York, N. Y. 1710 Caton Ave. Rooklyn, N. Y. 237 Greenwich St., New York, N. Y. 1710 Caton Ave. Rooklyn, N. Y. 237 Greenwich St., New York, N. Y. 106 Loraine Ave., Upper Montclair, N. J. 4 Overlook Ave., Ridgewood, N. J. 802 W. Islst St., New York, N. Y. Madison Bldg., Montclair, N. J. 1325 St. Nicholas Ave., New York, N. Y. 1335 St. Nicholas Ave., New York, N. Y. 197 High St., Perth Amboy, N. J. 198 Thigh St., Perth Amboy, N. J. 197 Peskskill, N. Y. 19525 4th Ave., Brooklyn, N. Y. 242 Mountain Way, Kingsland, N. J. 242 Mountain Way, Kingsland, N. J. 243 Prospect Ave., New York, N. Y. 244 Mountain Way, Kingsland, N. J. 245 Prospect Ave., New York, N. Y. 246 Hill St., Perth Amboy, N. J. 257 Oth St., Brooklyn, N. Y. 268 Tripity Ave., New York, N. Y. 269 Tripity Ave., New York, N. Y. 279 Tilesh St., Perth Amboy, N. J. 280 St., Bloomfield, N. J. 281 St., Perth St., New York, N. Y. 282 Fights At., New York, N. Y. 283 Filesh St., New York, N. Y. 284 Brooklyn, N. Y. 285 Filesh St., New York, N. Y. 286 Prospect Pl., Rutherford, N. J. 287 St. 1914 St., New York, N. Y. 288 E. 1914 St., New York, N. Y. 282 E. 1914 St., New York, N. Y. 283 E. 1914 St., New York, N. Y. 284 Beach Ave., Larchmont, N. Y. 285 Erichton Ave., Perth Amboy, N. J. 286 Cedar Ave., New York, N. Y. 287 State St.,	Power
			Kw.
2KM 2AME	Francis, Charles E	1662 70th St., Brooklyn, N. Y	0.
2AME	Frank, Richard	408 Main St., Union, N. J	
2ALA	Francis, Sylvian	294 W. 92d St., New York, N. Y	
2AQW 2APZ	Frankenstein, Edwin S	97 Bruce Ave., Yonkers, N. Y	
2APZ	Freeman, Robert J	Southampton, N. Y	
2FK	Freure, Richard W	156 N. Arlington Ave. Foot Orange N. I	
2JH	Fricke, William D	150 N. Affington Ave., East Orange, N. J	
2ABE 2BG	Coode Coorge F	Prograce N T	-
2DG	Cole Powland A	540 W 158th St New York N V	
2QG 2UP	Gannon I Kimball	517 Park St. Upper Montclair, N. J.	
2GR	Gardell, Emil C	Oakhurst, N. J.	
ZAQC	Gardner, William E	15 Prospect St., Adams, N. Y	100
2ÅQC 2MC	Garity, William E	324 Reid Ave., Brooklyn, N. Y	6/10
2FX	Gedney, Ray Van D	Center Ave., Little Falls, N. J	1
2AMY	Geils, Henry	1 Walton Ave., New York, N. Y	
2ADD	Gelina, C. J	Chatham, N. Y	15.10
PASA	Genodette, Honore E	Kinderhook, N. Y	
PAIM	Gieler, Frank H., Jr	West Brighton, N. Y	1.953
2AIM 2AY 2TV 2AIT	Clara Coorgo	49 Charter St. Newsell N. J.	- 0
VIV	Cluck John	1700 Park Ave New York N V	1
AIT	Cootto Clifford I	1425 Church St. Richmond Hill N. V	1
2JU 2AJY	Coldstein Jack	956 Stebbins Ave. New York, N. Y.	1
PAFU	Goll Robert E	1710 Caton Ave., Brooklyn, N. Y	1
2KY	Goodchild Electrical Co.	237 Greenwich St., New York, N. Y	1
ZAAX	Goodell, John B	106 Loraine Ave., Upper Montclair, N. J	î
2UN	Graham, Malcolm	4 Overlook Ave., Ridgewood, N. J	138
PALB	Gratzner, Raymond	802 W. 181st St., New York, N. Y	1
2EB	Gray, Frank F	Madison Bldg., Montclair, N. J	1
PARS	Grece, Joseph F	134 Manhattan Ave., Jersey City, N. J	
2BK	Green, Adoniram J	73 Paterson St., Paterson, N. J.	
QQQ QLP	Green, Irving W	85 Clerk St., Jersey City, N. J.	
LP	Green, Raymond J	1352 St. Nicholas Ave., New 10rk, N. 1	
2KL	Gregory, Arthur V	Toma Divor N. T.	
PAGE	Crumbacher Walter	Pooledrill N V	1 1 1
PAGI PAJP	Grummet Melvin L	9525 4th Ave Brooklyn, N. Y.	THE ST
CI	Guarino, John J.	242 Mountain Way, Kingsland, N. J.	
BQ	Guild, Baldwin	495 Mt. Prospect Ave., Newark, N. J.	13.00
2DŐ	Guldi, Walter E	Sayville, N. Y	
PADN	Gutmann, Bernard	110 Garfield Pl., Brooklyn, N. Y	1818
PANC	Guy, Raymond F	342 Broadway, Tottenville, N. Y	1
RR	Haight, Russell P	18 Spruce St., Bloomfield, N. J	1
2EV_	Hajos, Eugene	626 Trinity Ave., New York, N. Y	1
ZAQZ ZKR	Hall, Norman C	47 Hill St., Newark, N. J	1
KK	Hallenbeck, Charles	96 Progrest Pl. Putherford N. I	452
UQ EN	Halligan James W	299 F 10th St New York N Y	11167
PART	Hammond George P	1855 70th St. Brooklyn N Y	- 100
ZAFV	Halsey Edward G. ir.	200 Smith St., Peekskill, N. Y.	100
2CW	Ham, Frank H	Cornwall-on-Hudson, N. Y	
DD	Hammond, Fremont M	160 E. Main St., Patchogue, N. Y	100
2DD 2PX	Hamilton, Albert G., jr	Beach Ave., Larchmont, N. Y	
20A	Hammond, Lester	2 Pinehurst Ave., New York, N. Y	1
PAKM	Hanson, George V	Rockaway Beach, N. Y	
PAE	Happe, William H	566 W. 162d St., New York, N. Y	
EGH PAIP	Hardy, Myles	373 W. 126th St., New York, N. Y	1 3 9 6
PAIP	Harper, Augustus E	512 Washington Ave., Brooklyn, N. Y.	1
BC	Harrietts, James B	205 Deighton Ave. Porth Amboy N. I	1
PAMN PFZ	Harris Charles C	Fromort N V	
DACE	Harrison John B	112 Broad St. Bloomfield N. I	1
PACE PMA	Hashrouck, Earl	Wallkill N. Y	1
2SM	Hatry, William B	71 Orange St., Brooklyn, N. Y	- 1
ZACW	Hattermuller, Theodore	34 S. Railroad Ave., Middletown, N. Y	-
ZASC	Hauger, Oscar	37 Zabriskie St., Haledon, N. J	1111
2APN	Hausrath, Alfred H., jr	1866 Cedar Ave., New York, N. Y	1000
2JC	Hawkins, Ernest W	224 Depew St., Peekskill, N. Y	1
2KC	Hayes, Frank X. J	162 E. 82d St., New York, N. Y	1000
2BM	Heermance, Earle	523 State St., Hudson, N. Y	100
2APG 2AFJ	Hegmegee, Joseph O. L	235 River Drive, Garfield, N. J	1
2AFJ 2ANI	Heinsohn, Frederick E	901 Chancellar Ave. Invinctor N. I	
	I HAIDZIDADD MILLOD	931 Unancellor Ave., Irvington, N. J	

# AMATEUR RADIO STATIONS-Continued.

# SECOND DISTRICT—Continued.

•	Owner of station.	Location of station.	Power.
			Kw.
3	Held, William J	110 Elliot Ave., Yonkers, N. Y	
	Hellman, Abraham E	110 Elliot Ave., Yonkers, N. Y	0.5
	Helman, Abraham Helwig, Herman F. Hendricks, Miles S. Herbert, Norman. Heuer, William H.	Lloyd, N. Y. 58 Crawford St., Newark, N. J. Islip, N. Y. 215 4th St., Newark, N. J. Quail and Bradford Sts., Albany, N. Y. 403 Decatur St., Brooklyn, N. Y. 45 N. Fullerton Ave., Montelair, N. J.	.5
	Herbert, Norman	58 Crawford St., Newark, N. J	.5
	Heuer, William H	Islip, N. Y.	.5
	Howitt John V	Oueil and Bredford Ste. Albany, N. V.	1.0
	Heydon, Albert R. Heyer, Benjamin W. Higgs, Harry Y. Hill, William S.	403 Decatur St., Brooklyn, N. Y	1.0
I	Heyer, Benjamin W	45 N. Fullerton Ave., Montclair, N. J	.5
	Higgs, Harry Y	30 Irving Pl., Brooklyn, N. Y	. 5
	Hill, William S	45 N. Fullerton Ave., Montciair, N. J. 30 Irving Pl., Brooklyn, N. Y. 332 Rector St., Perth Amboy, N. J. 5 Charles St., West Orange, N. J. 338 W. 18th St., New York, N. Y. Red Bank, N. J. 1018 Columbus Ave., Westfield, N. J. Babylon, N. Y. 298 Western Ave., Albany, N. Y. Keanshurg N. J.	.5
į	Hirschfield Edward	338 W. 18th St., New York, N. Y.	.5
	Hiller, Harry E. Hiller, Harry E. Hirschfield, Edward. Hoagland, Raymond. Hobson, Christopher E. Hoernel, Paul	Red Bank, N. J.	1.0
	Hobson, Christopher E	1018 Columbus Ave., Westfield, N. J	1.0
	Hoernel, Paul	Babylon, N. Y.	.5
	Hoffman Frank	Veenshurg N I	.5
	Hoffman, Paul J	165 E. 88th St., New York, N. Y	.5
	Holmes, George	158th St. and Harlem River, New York, N. Y	. 5
	Holmes, George	164 W. 146th St., New York, N. Y	1.0
	Hoff, Russell S. Hoffman, Frank. Hoffman, Paul J. Holmes, George. Holmes, George. Homan, Carroll L. Homan, Eber J.	Babylon, N. Y. 298 Western Ave., Albany, N. Y. Keansburg, N. J. 165 E. 88th St., New York, N. Y. 165 E. 88th St., New York, N. Y. 164 W. 146th St., New York, N. Y. 1915 62d St., Brooklyn, N. Y. 1915 62d St., Brooklyn, N. Y. 1915 62d St., Brooklyn, N. Y. 1915 62d St., Brooklyn, N. Y. 1915 62d St., Brooklyn, N. Y. 192 Farsher, N. J. 193 Foodway, Far Rockaway, N. Y. 1949 Belmont Ave., Newark, N. J. 294 Westfield Ave. E., Roselle Park, N. J. 294 Westfield Ave. E., Roselle Park, N. J. 203 E. 64th St., New York, N. Y. 2422 University Ave., New York, N. Y. 2422 University Ave., New York, N. Y. 2424 University Ave., New York, N. Y. 2425 University Ave., New York, N. Y. 2426 Halse, St., Brooklyn, N. Y. 25 3d Ave., Bay Shore, N. Y. 26 3d Ave., Bay Shore, N. Y. 27 319 W. S2d St., New York, N. Y. 28 3d Ave., Bay Shore, N. Y. 28 3d Hillside Ave., Newark, N. J. 28 3th St. and 2d Ave., Brooklyn, N. Y.	.5
		515 Prospect Ave., Asbury Park, N. J.	.5
	Hoover, Raymond	496 Belmont Ave., Newark, N. J	. 5
	Hoppock, Allen H	215 Clark St., Westfield, N. J.	5
	Horn, Charles W Horning, Robert H	379 Broadway, Far Rockaway, N. Y	1.0
l	Hornung, Julius L	203 E. 64th St., New York, N. Y.	1.0
	Hotchkiss, Grosvenor Houseworth, Charles W	146 Halsey St., Brooklyn, N. Y	LL15
		2422 University Ave., New York, N. Y	. 5
	Howell, Walter J	135 Edgecombe Ave., New York, N. 1	.0
	Huff, Frederick W	665 State St., Perth Amboy, N. J.	
	Howell, Walter J. Hoyt, William L. Huff, Frederick W. Hulse, L. Mortimer. Hulse, Tremaine. Humphreys, Ferdinand F. Hunging, Carl H.	9 James St., Middletown, N. Y	
	Hulse, Tremaine	32 3d Ave., Bay Shore, N. Y	.5
	Humphreys, Ferdinand F	319 W. 82d St., New York, N. Y	. 5
	Hunkins, Carl J. Hunkins, Carl J. Hunkins, Carl J. Hunter, John W. Hunter, Thomas F. Hurd, Theodore.	193 Hillside Ave. Newark, N. J.	.0
ı	Hunter, John W	68th St. and 2d Ave., Brooklyn, N. Y	.5
	Hunter, Thomas F	1102 W. 2d Ave., Asbury Park, N. J	.5
l	Hurd, Theodore	Tilton Ave., Red Bank, N. J	.5
į	Huyler, Rollin M Hymmen, Robert	100 Armstrong Ave. Jersey City, N. J.	.5
	Hynes, Eugene	2429 Valentine Ave., New York, N. Y	.5
	Innes, Richard C	343 W. 29th St., New York, N. Y	.5
	Isaacson, Charles B	48 W. 89th St., New York, N. Y	1.0
١	Jablousky, William	South Side High School, Newark, N. J.  123 Hillside Ave., Newark, N. J.  88th St. and 2d Ave., Brooklyn, N. Y.  1102 W. 2d Ave., Asbury Park, N. J.  Tilton Ave., Red Bank, N. J.  809 St. Nicholas Ave., New York, N. Y.  100 Armstrong Ave., Jersey City, N. J.  2429 Valentine Ave., New York, N. Y.  434 W. 29th St., New York, N. Y.  48 W. 89th St., New York, N. Y.  553 E. 134th St., New York, N. Y.  188 Montross Ave., Rutherford, N. J.  478A 16th St., Brooklyn, N. Y.	1.0
	Jacquet, Lloyd	478A 16th St., Brooklyn, N. Y	.5
	Jakobson, Irving D	370 Senator St., Brooklyn, N. Y	. 5
	Jakobson, Irving D. Jaques, Channing K. Jensen, Martin. Jockers, Edwin B. Johnson, Axel W. Johnson, John A. Johnson, Richard H. Johnson, W. Eugene Johnstone, George W. Jones, Frank	553 E. 134th St., New York, N. Y.  188 Montross Ave., Rutherford, N. J.  478A 16th St., Brooklyn, N. Y.  370 Senator St., Brooklyn, N. Y.  150 Elm St., New Rochelle, N. Y.  17 Grant Ave., Yonkers, N. Y.  142 Ridge St., Newark, N. J.  459 E. 135th St., New York, N. Y.  1026 2d Ave., New York, N. Y.  23 S. Clinton St., Poughkeepsie, N. Y.  17 3d St., Woodside, N. Y.  Grant Ave., East Rockaway, N. Y.  235 Rector St., Perth Amboy, N. J.  1814 Brunswick St., Newark, N. J.  88 Ella St., Bloomfield, N. J.  89 3d St., Keyport, N. J.  1455 Ave. A., New York, N. Y.  1455 Ave. A., New York, N. Y.  1920 Anthony Ave., New York, N. Y.  1920 Anthony Ave., New York, N. Y.  1251 Rishimond Turnpike, Port Richmond, N. Y.  181 Richmond Turnpike, Port Richmond, N. Y.  181 Bainbridge St., Brooklyn, N. Y.  181 Bainbridge St., Brooklyn, N. Y.  181 Brichmond Turnpike, Port Richmond, N. Y.  181 Brichmond Turnpike, Port Richmond, N. Y.  181 Brichmond Turnpike, Port Richmond, N. Y.  181 Brichmond Turnpike, Port Richmond, N. Y.  181 Brichmond Turnpike, Port Richmond, N. Y.  181 Brichmond Turnpike, Port Richmond, N. Y.  181 Brichmond Turnpike, Port Richmond, N. Y.  182 Richmond Turnpike, Port Richmond, N. Y.  183 Richmond Turnpike, Port Richmond, N. Y.  184 Brichmond Turnpike, Port Richmond, N. Y.  185 W., Brooklyn, N. Y.  186 W., Soth St., New York, N. Y.	.5
	Jockers, Edwin B	142 Ridge St., Newark, N. J.	.5
	Johnson, Axel W	459 E. 135th St., New York, N. Y	.5
	Johnson, John A	1026 2d Ave., New York, N. Y	5
	Johnson, Richard H	23 S. Clinton St., Poughkeepsie, N. Y.	.5
	Johnson W Eugene	Grant Ave. East Rockaway N. Y	.0
	Johnstone, George W	235 Rector St., Perth Amboy, N. J.	.5
	Jones, Frank Jones, Robert O	1811 Brunswick St., Newark, N. J	.5
	Jones, Robert O	88 Ella St., Bloomfield, N. J	. 5
	Judson, Joseph E Kalbach, Charles	2211 Andrews Ave., New York, N. Y	. 5
	Kalbach, Charles Kalning, William C Katz, Frederick	1455 Ave. A., New York, N. Y	.5
	Katz, Frederick	1464 Seabury Pl., New York, N. Y	.5
		1920 Anthony Ave., New York, N. Y	
I	Keers John K	224 Sist St. Brooklyn N V	1.0
1	Kayser, Herbert. Keers, John K. Kells, David G. Keller, George C. Kellow, James C.	253 73d St., Brooklyn, N. Y.	.5
	Keller, George C	2181 Richmond Turnpike, Port Richmond, N. Y	.5
	Kellow, James C	144 Liberty Ave., Jamaica, N. Y	1.0
	Kennedy, Harold J. Kienzle, Henry A. Kilmer, Theron W.	419 E. 79th St. New York N. V.	.5
	ILIUMOIO, MOIN y A	140 47, 1504 Mb., 410W 4 Oth, IV. I	.5

# SECOND DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Kw.
2AGZ	King, Frank	326 W. 107th St., New York, N. Y	1.0
2QD	King, Wendell W	778 1st Ave., Upper Troy, N. Y	1.0
2FI	King, Frank King, Wendell W Kirkpatrick, Louis W Kirschoff, Willard J Kissick, Robert G	317 6th Ave., Newark, N. J.	
2ANG 2DV	Kirschoff, Willard J	438 E. 148th St., New York, N. Y.	
2AEC	Kleinherger Richard	230 Rement Ave West New Brighton N V	
2AOH	Kleinberger, Richard Kleppe, Arthur	189 Inwood Ave., Montclair, N. J.	
2AHD	Klopak, Joseph. Klune, Fred C., ir Knapp, Samuel Knies, Emil H	509 S. 10th St., Newark, N. J	.1
$^{\rm 2AND}_{\rm 2DH}$	Klune, Fred C., jr	Harrison, N. Y	
2DH	Knapp, Samuel	89A Cooper St., Brooklyn, N. Y	
2AJB 2APQ	Vnight Harold F H	251 Fanimore St., New YORK, N. Y	
2AET	Knopf, Richard	3048 Decatur Ave., New York, N. Y.	
2VF 2NP	Koch, Edward	168 Willis Ave., New York, N. Y	
2NP	Koenig, George F	4279 Webster Ave., New York, N. Y	
2SF	Kollock, Alan S	1009 Walker Ave., Woodhaven, N. Y	
2AAP 2ANS	Kollock, Arnett W	862 Madison St., Brooklyn, N. Y	.5
2BR	Kroch Karl C	216 Godwin Ave Midland Park N I	.5
2APU	Krantz, Hubert K	183 Argyle Rd., Brooklyn, N. Y.	
2SQ	Knies, Emil H. Knight, Harold E. H. Knopf, Richard Koeh, Edward Koenig, George F. Kollock, Alan S. Kollock, Arnett W. Koyen, Walter R. Krech, Karl G. Krantz, Hubert K. Kreeft, Raymond A. Kroger, Ernest G.	10 Elm St., West Orange, N. J	.5
2AAR		Hartsdale, N. Y	.5
2ADS	Laffenandre Gaston W	326 W. 107th St., New York, N. Y 778 1st Ave., Upper Troy, N. Y 317 6th Ave., Newark, N. J. 438 E. 148th St., New York, N. Y 199 Lincoln Pl., Brooklyn, N. Y 239 Bement Ave., West New Brighton, N. Y 189 Inwood Ave., Montclair, N. J 189 Inwood Ave., Montclair, N. J 189 Inwood Ave., Montclair, N. J 189 Inwood Ave., Montclair, N. J 180 Inwood Ave., Montclair, N. Y 180 A Cooper St., Brooklyn, N. Y 181 Fenimore St., Brooklyn, N. Y 182 Webster Ave., New York, N. Y 188 Willis Ave., New York, N. Y 188 Willis Ave., New York, N. Y 189 Webster Ave., New York, N. Y 189 Webster Ave., New York, N. Y 180 Walker Ave., Woodhaven, N. Y 180 Argyle Rd., Brooklyn, N. Y 181 Argyle Rd., Brooklyn, N. Y 182 Hartsdale, N. Y 183 Argyle Rd., Brooklyn, N. Y 184 Hartsdale, N. Y 184 Sayville, N. Y 185 Y 185 Y 185 Y 186 E. 56th St., Vest Corange, N. J 187 Academy St., Poughkeepsie, N. Y 186 E. 56th St., New York, N. Y 186 Ralston Ave., Perth Amboy, N. J 187 Acakson Ave., Perth Amboy, N. J 187 Acakson Ave., Perth Amboy, N. J 187 Acakson Ave., Perth Amboy, N. J 187 Acakson Ave., Perth Amboy, N. J 187 Acakson Ave., Perth Amboy, N. J 188 N. Lark St., Albany, N. Y 186 Ralston Ave., New York, N. Y 186 Ralston Ave., South Orange, N. J	.5
2PU 2AQK	Lalley, Joseph F	202 4th St., Union Hill, N. J.	.0
2HV	Lalley, Joseph F Lambert, Fred F. Lane, David M.	343 9th St. Jersey City N. I	. 5
2HX 2TY		139 Academy St., Poughkeepsie, N. Y.	.5 .5 .5 .5 .5 .5
200	Larkin, James S	66 E. 56th St., New York, N. Y	.5
2AOE	Larsen, Rudolph	220 Madison Ave., Perth Amboy, N. J.	,5
2AAM 2APJ	Larkin, James S	411 Spring St., West Hoboken, N. J.	.5
2MB	Lawrence George I ir	Jackson Ava Nyack N V	.0
2KG	Lavng, Grant	Jackson Ave., Nyack, N. Y.  441 St. Nicholas Ave., New York, N. Y. Larchmont, N. Y. 166 Ralston Ave., South Orange, N. J. Amagansett, N. Y. Slingerlands, N. Y. Slingerlands, N. Y. Slingerlands, N. Y. Slingerlands, N. Y. 1515 W. 172d St., New York, N. Y. 262 Delancey St., New York, N. Y. 262 Delancey St., New York, N. Y. 30 Delaware St., Elizabeth, N. J. 319 W. 94th St., New York, N. Y. 600 W. 183d St., New York, N. Y. 600 W. 183d St., New York, N. Y. 262-21 Morningside Ave., New York, N. Y. 1867 Himrod St., Brooklyn, N. Y. 187 Himrod St., Brooklyn, N. Y. 188 E. 175th St., New York, N. Y. 102 Watson Ave., Newark, N. J. 2672 Mansfield Pl., Sheepshead Bay, N. Y. 137 Prospect St., East Orange, N. J. 268 Highland Ave., Yonkers, N. Y. 445 E. 88th St., New York, N. Y. 38 Edward St., Ossining, N. Y. 38 Baylon, N. Y. 38 Baylon, N. Y. 38 Baylon, N. Y. 39 Baylon, N. Y. 39 Boomfield, N. J.	.5
2AOJ	Layng, Grant. Leathe, William W	Larchmont, N. Y	.5
2CB	Leeb, Henry Lorent. Leek, Nathaniel L. Le Gallez, Clayton B Lehmann, Erich W. G Leighton, Leo	166 Ralston Ave., South Orange, N. J.	1.0
2AIK	Leek, Nathaniel L	Amagansett, N. Y.	.5
2MX 2AFR	Lehmann Erich W G	36 Stephen St. Foot Orange N. T.	. 0
2AKR	Leighton, Leo	515 W. 172d St., New York, N. Y	.5
2ARJ	Leighton, Leo. Leiter, David Lemkie, Harry A Lemmon, Walter S.	262 Delancey St., New York, N. Y	.5
2WG 2IE	Lemkie, Harry A	30 Delaware St., Elizabeth, N. J.	. 5
2IE	Lemmon, Walter S	319 W. 94th St., New York, N. Y.	.5 .5 .5 .5
2ANB 2AAV	T - M - 1 T	246 McClellen St. Schengetady N. V	1.0
2AGK	Lewis, Edward H	20-21 Morningside Ave., New York, N. Y.	.5
2AEW	Le Tarte, Augustin J Lewis, Edward H Leyh, William Lindgren, Richard N Lingheimer, Carl M Littlefield, Charles E	1867 Himrod St., Brooklyn, N. Y.	1.0
2AGC	Lindgren, Richard N	788 E. 175th St., New York, N. Y	1.0
2ANA	Lingheimer, Carl M	102 Watson Ave., Newark, N. J.	1.0
2AHU 2AKP	Littleheld, Charles E	1 St Nicholas Ter New York N V	.5
2JF	Lockwood, Nelson W	237 Prospect St., East Orange, N. J.	.5
2ABR	Lockard, J. F. Lockwood, Nelson W. Lorini, Osmun W. Loub, Arthur F. Lounsberry, Isaac R. Love, John H. Lowe, Graham von S. Lymen C. Glenn	96 Highland Ave., Yonkers, N. Y	.5
2VI	Loub, Arthur F	445 E. 88th St., New York, N. Y.	.5
2BB	Lounsberry, Isaac R	13 Edward St., Ossining, N. Y.	.5
$^{2\mathrm{AQL}}_{2\mathrm{ED}}$	Love, John H	Barron Ave. High School Building, Woodbridge, N. J.	.5
2BZ	Lyman C. Glenn	Babylon N Y	.5
2HO	Lyman, C. Glenn Lyons, William B. MacBride, William D. Machlett, Raymond R.	Broad St., Bloomfield, N. J.	1.0
2ASG	MacBride, William D	65 Maolis Ave., Bloomfield, N. J	.5
2ARU	Machlett, Raymond R	131 W. 188th St., New York, N. Y	.5
2ABS	Mack, Burtis D	Pleasantville, N. Y	1.0
2WY 2AOB	MacLeod, Myron R	162 Congress St. Brooklyn N. V	.5
2ABM	Magennis, Arthur K.	Edgewater, N. J.	.5
2AAO	Maguire, Howard S	814 Lancaster St., Albany, N. Y	.5
2DK	Maguire, Nelson	317 E. 144th St., New York, N. Y.	.5 .5
2DC	Maner, Frank	207 E. 158th St., New York, N. Y	.5
2ACS 2KE	Maloney Joseph T	164 E. 82d st. New York N. V.	.5
2GQ	Manning, Charles T	81 N. Maple Ave., East Orange, N. J	.5
2AOM	Manning, Conant	191 Alexander Ave., Montclair, N. J	.5
2AGB	Marchant, Ralph	2711 Creston Ave., New York, N. Y.	• 1.0
2AGB 2OX 2AHN	Machlett, Raymond R Macked, Burtis D MacLeod, Myron R Macksond, Michel E Magennis, Arthur K Maguire, Howard S Maguire, Nelson Maher, Frank Maier, John C Maloney, Joseph T Manning, Conant Marchant, Ralph Mardon, F. Herbert Marshall, Leonard H Mase, F. Kenneth	Babylon, N. Y.  Broad St., Bloomfield, N. J.  55 Maolis Ave., Bloomfield, N. J.  131 W. 188th St., New York, N. Y.  Pleasantville, N. Y.  530 5th St., Brooklyn, N. Y.  162 Congress St., Brooklyn, N. Y.  162 Congress St., Brooklyn, N. Y.  164 Lancaster St., Albany, N. Y.  17 E. 144th St., New York, N. Y.  207 E. 158th St., New York, N. Y.  211 E. Union Ave., Bound Brook, N. J.  164 E. 82d st., New York, N. Y.  81 N. Maple Ave., East Orange, N. J.  191 Alexander Ave., Montclair, N. J.  2711 Creston Ave., New York, N. Y.  1309 West Farms Rd., New York, N. Y.  240 Westchester Ave., Rye, N. Y.  358 Moraleman St., Belleville, N. J.	.5
-2 A H N	Marchall Leonard H	240 Westchester Ave., Rve. N. Y	. 5

#### SECOND DISTRICT—Continued.

# ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Kw.
2ALN	Mason, Percy H	106 Lewis St., Paterson, N. J. Keyport, N. J. Bayside, N. Y.	0. 3
2GX	Mason, Samuel F	Keyport, N. J	
2AFD	Massimo, Albert. Maurer, Edward W	65 Ochorn St. Voyport N. I.	
2AKK 2AHL	May Anthony	Bayside, N. Y. 65 Osborn St., Keyport, N. J. 1684 Ave. A, New York, N. Y. 143 High St., Montclair, N. J. 319 W. 139th St., New York, N. Y. 157 Elm St., Elizabeth, N. J.	1.0
2SG	May, Fred.	143 High St., Montclair, N. J.	1.1
2TD	Mayer, Arthur C	319 W. 139th St., New York, N. Y	
2AGG	Mayer, Warren J	157 Elm St., Elizabeth, N. J.	
2HP	Mayhew, B. Alan, jr	Tenally, N. J.	1.0
2VX 2IL	McClintock George C	319 Dudly Ave Westfield N I	
2GP	May Anthony. May, Fred. Mayer, Arthur C. Mayer, Warren J. Mayhew, B. Alan, ir. McCarthy, George W. McClintock, George C. McClintock, Ralph W. McCay, Daniel	125 High St., Nutley, N. J.	1
2HA	McCoy, Daniel	45 Lee Ave., Yonkers, N. Y	1.
2ARK	McCoy, Lester M	R. F. D. No. 2, Peekskill, N. Y.	
2BY	McCoy, Daniel	23 Woodland Pl., White Plains, N. Y	
2BO 2HM	McKee Clarence A	821 E 216th St. New York N. Y.	:
2AJO		134 Shonnard Ter., Yonkers, N. Y.	
2EY	McKinney, Fred J	300 Glenwood Ave., Bloomfield, N. J	
2ANE	McKinney, Fred J. McLean, True.	38 Central Ave., Tompkinsville, N. Y	1.
2PI	McLoughlin, Robert J McMonagle, Daniel J Manchee, Alleyne W	157 Elm St., Elizabeth, N. J Tenafly, N. J 1012 Sutter Ave., Brooklyn, N. Y 319 Dudly Ave., Westfield, N. J 125 High St., Nutley, N. J 45 Lee Ave., Yonkers, N. Y R. F. D. No. 2, Peekskill, N. Y 23 Woodland Pl., White Plains, N. Y 1127 Avenue G., Brooklyn, N. Y 821 E. 216th St., New York, N. Y 300 Glenwood Ave., Bloomfield, N. J 38 Central Ave., Tompkinsville, N. Y 105 Francisco Ave., Eutherford, N. J 571 59th St., Brooklyn, N. Y 745 Highland Ave., Newark, N. J Marlboro, N. J.	
2AEO 2ALF	Manchee Alleyne W	745 Highland Ave Newark N I	:
2AKL	Maran, Joseph F	Marlboro, N. J.	
2LI	Meacham Fredk C ir	Startboro, N. Y. 236 Decatur St., Brooklyn, N. Y. 990 Ist Ave., New York, N. Y. Lynbrook, N. Y. 27 Zabriskie St., Jersey City, N. J.	:
2NV		990 1st Ave., New York, N. Y	1.0
20F	Meier, Robert A	Lynbrook, N. Y.	1.
2AAW 2AAE	Mekeel, Arthur H	Lloyd N V	
2AW	Melville, Richard T	501 Sixth St., Brooklyn, N. Y.	:
2ALC	Merrihew, John E., jr	Northport, N. Y	
2SL	Merrill, J. Stewart	Lynbrook, N. Y.	1.0
2NO 2AHG	Merrihew, John E., jr. Merrill, J. Stewart. Merritt, Frank. Mersfelder, J. Henry, jr.	28 Spring St., Red Bank, N. J.	
20G	Meuke, Charles H.	Lynbrook, N. Y.  27 Zabriskie St., Jersey City, N. J. Lloyd, N. Y.  501 Sixth St., Brooklyn, N. Y. Northport, N. Y. Lynbrook, N. Y. 28 Spring St., Red Bank, N. J.  792 S. 13th St., Newark, N. J.  135 Corlies Ave., Asbury Park, N. J.  59 Brewster St., Tompkinsville, N. Y.  4 New Vanderbilt Ave., Jamaica, N. Y.  12 Hicks Ave., Winfield, N. Y.  Huntington Station, N. Y.  119 Smith St., Peekskill, N. Y.  327 Hillside Ave., Newark, N. J.  79 Walnut St., Walden, N. Y.  219 Valentine Lane, Yonkers, N. Y.  1192 Dean St., Brooklyn, N. Y.  2513 Catalpa Ave., Brooklyn, N. Y.  270 E. 161st St., New York, N. Y.  270 E. 161st St., New York, N. Y.  371 Church St., Poughkeepsie, N. Y.  440 Monroe Ave., Elizabeth, N. J.  444 E. 169th St., New York, N. Y.  6 Weekes Ave., Oyster Bay, N. Y.  203 E. 71st St., New York, N. Y.  356 Madison Ave., Albany, N. Y.  1903 Barnes Ave., Westchester, N. Y.  9 Ingram St., Yonkers, N. Y.  9 Ingram St., Yonkers, N. Y.  Great North, N. J.  401 Manhattan Ave., New York, N. Y.  Great North, N. J.	:
2ANU	Meuke, Charles H Midgley, Herbert Miller, Eugene B Miller, Fred W Miller, George. Miller, John W., jr Miller, Raymond H Mitchell, Clifford E Morts Earle S	59 Brewster St., Tompkinsville, N. Y.	
2IF	Miller, Eugene B	4 New Vanderbilt Ave., Jamaica, N. Y	1.
2ACY	Miller, Fred W	12 Hicks Ave., Winfield, N. Y	
2AIV 2ID	Miller, George	Huntington Station, N. Y	
2ARQ	Miller, Raymond H	327 Hillside Ave., Newark, N. J.	1.
2ADI	Mitchell, Clifford E	79 Walnut St., Walden, N. Y	
2NI	Moles, Charles E	229 Valentine Lane, Yonkers, N. Y	
2MI	Morris, Earle S Morrison, Clifford P	1192 Dean St., Brooklyn, N. Y	
2LN 2MT	Moses Abram W	270 F 161st St New York N V	1.0
2GM	Moss, Sidney W	56 Taylor Pl., So. Orange, N. J.	1
2PO	Moses, Abram W Moses, Sidney W Mott, Harold	67 Mott Ave., Far Rockaway, N. Y	
2KS	Mowton, Edward M	70 Hillcrest Ave., Yonkers, N. Y	1.0
2HY 2AML	Muckenhaupt, Carl F	317 Church St., Poughkeepsie, N. Y	1.
2AIL	Mulcahy Frank H	444 E 169th St. New York N Y	1.
2AG	Mowton, Edward M. Muckenhaupt, Carl F. Mueller, Carl F., Jr Mulcahy, Frank H. Mulford, Harold C. Muller, Herbert W. Muller, Henry G.	6 Weekes Ave., Oyster Bay, N. Y	
2AFY	Muller, Herbert W	203 E. 71st St., New York, N. Y	
2AOI	Muller, Henry G	541 W. 123d St., New York, N. Y	:
2HJ 2GO	Muller, Henry G Muller, Julius A., jr Mulligan, Harry G Mulvaney, Thomas Murphy, Dennis Murray, Charles Murray, Stephen A	356 Madison Ave. Albany N V	:
2ALQ	Mulyaney, Thomas	1903 Barnes Ave., Westchester, N. Y	- :
2GI	Murphy, Dennis	9 Ingram St., Yonkers, N. Y	
2SK	Murray, Charles	Great North, N. J.	
2AFQ	Murray, Stephen A	401 Manhattan Ave., New York, N. Y	
2FT 2ABA	Murray, Stephen A Murray, William E Myers, Austin S Nelson, Irving J	129 Wallace Ave., Mt. Vernon, N. Y.	1.
2ANO	Nelson, Irving J	80 E. 115th St., New York, N. Y	
2GU	tory.	Great North, N. J. 401 Manhattan Ave., New York, N. Y. 521 N. James St., Peekskill, N. Y. 129 Wallace Ave., Mt. Vernon, N. Y. 80 E. 115th St., New York, N. Y. Walker Ave., Westchester, N. Y.	
	New York Engineering Col- lege. See Harrietts, James		
2NW	B. New York School of Teleg-	2-14 W. 125th St., New York, N. Y	
2AKD	raphy. Nichols, Robert W		
2NN	Nightingale, John J	708 1st Ave., Asbury Park, N. J. 103 17th Ave., Paterson, N. J. 441 N. Broadway, Yonkers, N. Y. 100 Linden Ave., Bloomfield, N. J.	
2AHP	Noble, J. Kendrick		1.

54257°—16——7

# SECOND DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Pow
		449 E. 183d St., New York, N. Y. 906 St. Marks Ave., New York, N. Y. 1005 Emory St., Asbury Park, N. J. 285 E. 157th St., New York, N. Y. 759 Franklin Ave., Brooklyn, N. Y. 759 Franklin Ave., Brooklyn, N. Y. 543 17th St., West New York, N. J. 543 17th St., West New York, N. J. 543 17th St., West New York, N. J. 543 1840 A., Bayomne, N. J. 544 185 St., New York, N. Y. 545 Howard St., Peekskill, N. Y. 948 Stebbins Ave., New York, N. Y. 1348 Howard St., Peekskill, N. Y. 148 W. 61st St., New York, N. Y. 164 Union Ave., Belleville, N. J. 116 Waverly Pl., New York, N. Y. 7 Union St., Schenectady, N. Y. 999 Esplanade, Pelham Manor, N. Y. 18 14th Ave., Mt. Vernon, N. Y. 18 14th Ave., Mt. Vernon, N. Y. 18 Fulton St., Newark, N. J. 257 W. 92d St., New York, N. Y. 513 2d Ave., Asbury Park, N. J. 307 Gregory Ave., Passaic, N. J. 197 Warburton Ave., Yonkers, N. Y. 321 E. 90th St., New York, N. Y. 321 E. 90th St., New York, N. Y. 321 E. 90th St., New York, N. Y. 326 Poulicy St., Brooklyn, N. Y. 327 Howard St., Brooklyn, N. Y. 328 Ranshawe Ave., Yonkers, N. Y. 329 Ranshawe Ave., Yonkers, N. Y. 306 Prospect St., Ridgewood, N. J. 425 75th St., Brooklyn, N. Y. 428 N. Parkway, East Orange, N. J. 326 Praspect St., Ridgewood, N. J. 327 W. 122d St., New York, N. Y. 328 Howard Ave., New York, N. Y. 338 Fanshawe Ave., Schenectady, N. Y. 340 Orient Way, Rutherford, N. J. 342 Clitton Pl., Brooklyn, N. Y. 353 Ridgewood Ave., Schenectady, N. Y. 354 Ridgewood Ave., Schenectady, N. Y. 355 Ridgewood Ave., Glen Ridge, N. J. 357 Washington Ave., New York, N. Y. 358 Hanson Pl., Jamaica, N. Y. 359 Washington Ave., New York, N. Y. 351 Ridgewood Ave., Glen Ridge, N. J. 353 Ridgewood Ave., Glen Ridge, N. J. 354 Ridgewood Ave., Glen Ridge, N. J. 357 Ridgewood Ave., Glen Ridge, N. J. 358 Ridgewood Ave., Glen Ridge, N. J. 357 Ridgewood Ave., Glen Ridge, N. J. 358 Ridgewood Ave., Glen Ridge, N. J. 358 Ridgewood Ave., Glen Ridge, N. J. 357 Ridgewood Ave., Glen Ridge, N. J. 358 Ridgewood Ave., Glen Ridge, N. J.	Kı
2KF	Nolan, George T. Norris, Robert P. Obert, J. Edwin. O'Brien, Laurence J. O'Brien, Thomas. Oehmen, Oscar.	449 E. 183d St., New York, N. Y	130
2AGO	Norris, Robert P	906 St. Marks Ave., New York, N. Y	1.33
2APB	Obert, J. Edwin	1005 Emory St., Asbury Park, N. J	
20L	O'Brien, Laurence J	285 E. 157th St., New York, N. Y	100
2CK 2KU	Ochmon Oscar	750 Franklin Ava Brooklyn N V	159
2ALS	Oetien, John J	543 17th St., West New York, N. J.	
2UV	Oliver, George E	511 Ave. A, Bayonne, N. J.	133
2ABW	Oetjen, John J. Oliver, George E. Olsen, Arthur C. Olson, Alfred E.	1046 Summit Ave., New York, N. Y	4.53
2ACP	Olson, Alfred E	4035 Park Ave., New York, N. Y	
2AKG	Olson, George I	1348 HOWard St., Peekskill, N. 1	100
2BU 2OM	O'Mar a Edward E	114 W 61st St. New York N Y	4.5
20 II	Osborne, J. Spencer	164 Union Ave., Belleville, N. J.	538
$^{\rm 2QU}_{\rm 2AIN}$	Ostrewich, Thaddeus	116 Waverly Pl., New York, N. Y	2230
2AFT	Oudin, C. Folger	7 Union St., Schenectady, N. Y	170
2 RE	Pacent, L. Gerard	397 Van Pelt St., Long Island City, N. Y	1.23
2AEX	Paige, John S	999 Esplanade, Pelham Manor, N. Y	133
2NK	Palmer Thomas	18 Fulton St. Newark N. I	W-1
$_{ m 2GK}^{ m 2AQH}$	Pate, W. Schuvler	8 Douglas Rd., Glen Ridge, N. J.	100
210	Patton, Norman F	257 W. 92d St., New York, N. Y	14.3
2ARI	Pawley, Myron G	513 2d Ave., Asbury Park, N. J	100
2AZ	Olson, George I Olson, Oscar A. O'Mar a, Edward F. Osborne, J. Spencer. Ostrewich, Thaddeus. Oudin, C. Folger. Pacent, L. Gerard. Paige, John S. Palm, J. Adam Palmer, Thomas. Pate, W. Schuyler Patton, Norman F Pawley, Myron G. Pearl, Eugene S. Pearsall, Arthur R. Peiler, Harold L.	307 Gregory Ave., Passaic, N. J	12
2WH	Pearsall, Arthur R	197 Warburton Ave., Yonkers, N. 1	138
2ALU 2PH	Peiler, Harold L Pendleton, Archibald Pendleton, Harold A	40 Pondleton Pl New Brighton N. Y.	136
2MD	Pendleton, Harold A	799 Quincy St., Brooklyn, N. Y	3
2AAZ	Pennell, Vere F	15 Baldwin St., Newark, N. J	900
2ADZ	Perkins, William J	425 75th St., Brooklyn, N. Y	-7076
2ARL	Perry, Irving D. Pettit, Mortlock S. Pfeifer, Clarence H. Pfeil, A. Leslie.	68 N. Parkway, East Orange, N. J.	100
2AEJ	Pettit, Mortlock S	88 Fanshawe Ave., Yonkers, N. 1	133
2FA 2NZ	Pfeil A Loslie	242 Cottage St. Irvington N. Y	4
2AIC	Pfaltz, Orlando R	512 W. 122d St., New York, N. Y	1
2UX	Pfeil, A. Leslie. Pfaltz, Orlando R. Phelan, Charles W. Picken, James C., jr. Pieri, Donald. Plauth, William. Plummer, James A. Pohlman, Lauren V. Poling, Gifford. Poling, Russell H. Pollock, J. Millard. Poole, William C. Poppe, Frederick B. Poppele, Jacob, jr.	61 Powell Ave., Rockville Center, N. Y	1
2RX	Picken, James C., jr	125 Sherman Ave., New York, N. Y	200
2AIO	Pieri, Donald	Westchester and Bergen Aves., New York, N.Y	36
2ARB 2KW	Plauth, William	240 Orient Way, Butherford N I	- 0
2ACL	Pohlman Lauren V	424 Brandywine Ave. Schenectady, N. Y	
2ACC	Poling, Gifford	Keyport, N. J	
2AIZ	Poling, Russell H	Keyport, N. J	0.5
2WC	Pollock, J. Millard	34 Clifton Pl., Brooklyn, N. Y	201
2WT	Poole, William C	53 Maple St., Yonkers, N. Y	
2PF 2AEY	Pope, Frederick B	24 Carroll St., I Olikers, N. I	
2RJ	Porter Charles A	1700 Ditmas Ave., Brooklyn, N. Y	13.
2DQ	Poppele, Jacob, jr	1991-1993 Washington Ave., New York, N. Y	Y S
2DQ 2OP	Prendergast, Robert M	174 4th St., Union Course, N. Y	1
2APP	Porter, Koland W Prendergast, Robert M. Prinz, Peter J. Pulsifer, Frederic K., jr. Purvis, Harry. Pruden, Harold M.	28 Hanson Pl., Jamaica, N. Y	100
2ABV	Pulsiler, Frederic K., Jr	500 W 172d St New York N V	
2A PM 2JP	Pruden Harold M	142 N 15th St., East Orange, N. J.	= 3
2EI	Quick, Henry C	471 75th St., Brooklyn, N. Y	100
2AGY	Quick, Henry C		- 14
	See Ellingham, Irving. Randell, Edward J	7	
2ARH	Randell, Edward J	FORT TOURN, N. Y	5.6
2TK 2AED	Randolph, Randolph A Rappolt, Frank A Rattner, Manuel	1879 Morris Ave., New York, N. Y.	190
2AED 2AFG	Rattner, Manuel	36 Union St., Poughkeepsie, N. Y	100
2ARO	Rau, James F	Island Heights, N.J	3.5
2ANH	Raufer, Frank J	Fort Totten, N. Y	909
20E	Raynor, Sinclair L	50 Shepherd Ave., Brooklyn, N. Y. Freeport, N. Y. 2249 82d St., Brooklyn, N. Y. 26 College Pl., Newark, N. J. Keyport, N. J. 79 10th St., New Dorp, N. Y. Belford, N. J. S808 Fort Hamilton Ave. Brooklyn, N. Y.	149
2AJD	Redfern, William W., Jr	26 College Pl Newark N I	1000
$^{2\mathrm{AJH}}_{2\mathrm{ABZ}}$	Regan Claude	Keyport, N. J.	
2JV	Reich, Herbert J.	79 10th St., New Dorp, N. Y	17.15
2ACF	Reichman, John T	Belford, N. J.	100
2AJT	Reilly, Hugh	9808 Fort Hamilton Ave., Brooklyn, N. Y	19
2RH	Reiss, Lester	580 W. 161st St., New York, N. Y	-
2AJM 2RB	Rau, James F Raufer, Frank J Raynor, Sinclair L Redfern, William W, jr Reed, Cecil J Regan, Claude Reich, Herbert J Reichman, John T Reilly, Hugh Reiss, Lester Requa, Reginald C Reuman, William H Reyle, Stanley	Belford, N. J.  9808 Fort Hamilton Ave., Brooklyn, N. Y.  580 W. 161st St., New York, N. Y.  Huntington, N. Y.  480 9th Ave., New York, N. Y.  480 9th Reisen Ave. Jarsay City, N. J.	1
2AHQ	Reuman, William H. Reyle, Stanley. Reynolds, Albert S	42½ Van Reipen Ave., Jersey City, N. J. 222 S. Clinton St., East Orange, N. J.	100
2AEI	73 13 11 10	200 C Clint of the Total Oceanies M T	

# SECOND DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Kw.
2AAT 2ACG	Reynolds, Palmer W	3 N. Terrace Ave., Mt. Vernon, N. Y. 16 Camp Woods Rd., Ossining, N. Y. 715 St. Nicholas Ave., New York, N. Y.	0.5
2ACG	Reynolds, Thomas A	16 Camp Woods Rd., Ossining, N. Y	. 5
2AJZ 2ACU	Pichardson John P	16 Culver St. Venkers N. V.	. 5
2AHZ	Richfield Nicholas	554 W. 184th St. New York N. V	1.0
2AOG	Reynolds, Palmer W	148 Blvd., Rockaway Beach, N. Y	
2AGP	Ripperger, Clinton Ritter, Alexander	16 Camp woods Rd., Ossining, N. 1 715 St. Nicholas Ave, New York, N. Y. 16 Culver St., Yonkers, N. Y. 554 W. 184th St., New York, N. Y. 148 Blvd., Rockaway Beach, N. Y. 147 Wisner Ave, Middletown, N. Y. 110 Catalpa Ave, Perth Amboy, N. I.	. 5
2CV	Ritter, Alexander		. 5
2CU 2CD	Robbins, Walter G. Robbins, William E., jr Roberts, A. Perry Roberts, Hugh V.	Babylon, N. Y. 614 5th Ave., Upper Troy, N. Y. Tenafly, N. J.	1.0
2LC	Roberts, A. Perry	Tenafly, N. J.	1.0
2AKB	Roberts, Hugh V		
2VE 2KT	Robertson, Gus	125 Hunter Ave., Long Island City, N. Y	. 5
2KT 2QR	Robertson, Merle E	98 Piermont Ave., Nyack, N. Y	- 5
2AKH	Robertson, Gus Robertson, Merle E Robertson, William L Robinson, Christopher S Roche, Walter J Rock, Leroy W Roehrich, Henry Rogger, Lohn	18009 Hollis Ave., Hollis, N. 1 125 Hunter Ave., Long Island City, N. Y. 98 Piermont Ave., Nyack, N. Y. 57 Montross St., Rutherford, N. J. 113 Johnson St., Highland Park, N. J. 2 Irving Pl., Jamaica, N. Y.	1.0
2AH	Roche, Walter J.	2 Irving Pl., Jamaica, N. Y.	1.0
2HE	Rock, Leroy W	201 Beach St., Red Bank, N. J.	. 5
2AMZ	Roehrich, Henry	2 Belmont Ave., Garfield, N. J.	.5
2ACO 2AOQ	Rogers, John	76 Fox Ter Dunwoodie N V	
2ADG	Rosa, Harry D	52 Gate St., Poughkeepsie, N. Y	.5
2AGQ	Rosenberg, Uda B	2116 Honeywell Ave., New York, N. Y	. 5
2AHH	Rogers, John. Roquer, Leon E. Rosa, Harry D. Rosenberg, Uda B. Rossner, James E.	31 Grove Ave., Albany, N. Y	1.0
2FN	Roth, August F	107 Clifton Ave. New York, N. Y	1.0
2AJE 2TH	Rowley, Herbert G	59 Park Ter. West Orange N I	.5
2AMJ	Roy, James A. S Ruddy, George F	186 High St., Perth Amboy, N. J.	
2JI	Ruhlmann, Ernest R	97 W. 34th St., Bayonne, N. J	1.0
2AHT	Rupert, Stephen E. G	107 2d St., Pelham, N. Y	1.0
2ANP 2AAM	Valentine, Russell D Russo, Ernest O	Atlantic City N T	
2DE	Ruttmann, Ferdinand	57 Montross St., Rutherford, N. J. 113 Johnson St., Highland Park, N. J. 2 Irving Pl., Jamaica, N. Y. 201 Beach St., Red Baak, N. J. 28 Belmont Ave., Garfield, N. J. 13 W. 100th St., New York, N. Y. 76 Fox Ter., Dunwoodie, N. Y. 52 Gate St., Poughkeepsie, N. Y. 2116 Honeywell Ave., New York, N. Y. 2116 Honeywell Ave., New York, N. Y. 2116 Gleason Ave., New York, N. Y. 2116 Gleason Ave., New York, N. Y. 2107 Clifton Ave., Newark, N. J. 107 Clifton Ave., Newark, N. J. 108 High St., Perth Amboy, N. J. 107 2d St., Pelham, N. Y. 105 Amboy Ave., Woodbridge, N. J. 107 2d St., Pelham, N. Y. 105 Amboy Ave., Woodbridge, N. J. 107 118 Kosciusko St., Brooklyn, N. Y. 118 Kosciusko St., Brooklyn, N. Y. 118 Kosciusko St., Brooklyn, N. Y. 11907 Ditmas Ave., Brooklyn, N. Y. 1107 2d St., New York, N. Y. 1107 2d St., New York, N. Y. 1107 2d St., New York, N. Y. 1107 2d St., New York, N. Y. 1107 2d St., New York, N. Y. 1107 2d St., New York, N. Y. 1107 2d St., New York, N. Y. 1107 2d St., New York, N. Y. 1108 2d St., New York, N. Y. 1108 2d St., New York, N. Y. 1108 2d St., New York, N. Y. 1108 2d St., New York, N. Y. 1108 2d St., New York, N. Y. 1108 2d St., New York, N. Y. 1109 2d St., New York, N. Y. 1109 2d St., New York, N. Y. 1109 2d St., New York, N. Y. 1109 2d St., New York, N. Y. 1109 2d St., New York, N. Y. 1109 2d St., New York, N. Y. 1109 2d St., New York, N. Y. 1109 2d St., New York, N. Y. 1109 2d St., New York, N. Y. 1109 2d St., New York, N. Y. 1109 2d St., New York, N. Y. 1109 2d St., New York, N. Y. 1109 2d St., New York, N. Y. 1109 2d St., New York, N. Y. 1109 2d St., New York, N. Y. 1109 2d St., New York, N. Y. 1109 2d St., New York, N. Y. 1109 2d St., New York, N. Y. 1109 2d St., New York, N. Y. 1109 2d St., New York, N. Y. 1109 2d St., New York, N. Y. 1109 2d St., New York, N. Y. 1109 2d St., New York, N. Y. 1109 2d St., New York, N. Y. 1109 2d St., New York, N. Y. 1109 2d St., New York, N. Y. 1109 2d St., New York, N. Y. 1109 2d St., New York, N. Y. 1109 2d St., New York, N. Y. 1109 2d St., New York, N. Y. 11	
2WL 2DM	Ruttmann, Ferdinand Ryan, Lester F. Sachs, Harold Saenz de Calahorra, Amadeo.	18 Kosciusko St., Brooklyn, N. Y	
2DM	Sachs, Harold	11 E. 68th St., New York, N. Y	
2ACJ 2SB	Saenz de Calahorra, Amadeo.	1807 Ditmes Ave. Brooklyn N. V.	.5
2AEN	Sangree, Ernest M. Saxton, Herbert. Sayres, Ralph A. Schabbehar, Edwin A Schaefer, Charles Schaefer, Charles L Schaefer, Regnell C Schaefer, Adolph Schaefer, Adolph Schanek, Henry S. Schedler, Herbert D Schell, Richard, jr Schenon, John	215 Bidwell Ave., Jersey City, N. J.	- 5
2LH 2KS	Sayres, Ralph A	4645 Central Ave., Richmond Hill, N. Y	1.0
2KS	Schabbehar, Edwin A	412 Village Ave., Hempstead, N. Y	1. (
2AFI 2CS	Schaefer Charles I.	2012 Webster Ave., New York, N. Y	1.0
2ANW	Schaefer, Maximillian	73 W. 115th St., New York, N. Y.	1.0
2ANW 2KQ	Schaefer, Regnell C	185 N. 16th St., East Orange, N. J.	1
2AFH	Schaeffer, Adolph	1487 Nostrand Ave., Brooklyn, N. Y	. 5
2AAN 2APK	Schooler Herbert D	92 Main St., Keyport, N. J.	.5
2BF	Schell, Richard, ir	35 Grasmere Ave. Grasmere N. Y	
2AGL	Schenone, John	15 1st St., Keyport, N. J	
2AGT	Schleckser, Raymond R Schlitz, Karl W	12 Fabyan Pl., Newark, N. J.	
2AOZ	Schlitz, Karl W	28 Jefferson St., Brooklyn, N. Y	- 5
2AJW 2AIE	Schmelzer, Gerhard Scholz, Frank A	185 N. 16th St., East Orange, N. J. 1487 NoStrand Ave., Brooklyn, N. Y. 92 Main St., Keyport, N. J. 1024 Summit Ave., Jersey City, N. J. 35 Grasmere Ave., Grasmere, N. Y. 15 Ist St., Keyport, N. J. 12 Fabyan Pl., Newark, N. J. 28 Jefferson St., Brooklyn, N. Y. 7301 3d Ave., Brooklyn, N. Y. 251 New York Ave., Newark, N. J. 26 Undercliff Ave., Edgewater, N. J. 283 E. 32d St., Brooklyn, N. Y. 23 N. 12th St., Haledon, N. J. 1966 University Ave., New York, N. Y. 30 Osborne Ter., Newark, N. J. 1709 St. Johns Pl., Brooklyn, N. Y. 170 3d Ave., Brooklyn, N. Y. 27 N. 11th St., Newark, N. J. 280 Fairmount Ave., Jersey City, N. J. 280 Gaim St., Brooklyn, N. Y. 290 Wadsworth Ave., New York, N. Y. 1832 65th St., Brooklyn, N. Y. 1832 65th St., Brooklyn, N. Y. 1832 65th St., Brooklyn, N. Y. 1832 65th St., Brooklyn, N. Y. 1842 Elm St., Summit, N. J. 1852 65th St., Brooklyn, N. Y. 1860 72d St., Brooklyn, N. Y. 1860 72d St., Brooklyn, N. Y. 26 Main St., Keyport, N. J. 283 Birch St., Richmond Hill, N. Y.	
2PD	Schomp, Roy	76 Undercliff Ave., Edgewater, N. J	
2AU	Schomp, Roy Schram, John, jr	283 E. 32d St., Brooklyn, N. Y.	
2ASJ 2HI	Schroeder, Henry	23 N. 12th St., Haledon, N. J.	
2AKX	Schwarz, Sylvan S	30 Osborne Ter., Newark, N. I	
2PQ.	Schwarz, Sylvan S Schwartz, Max B Schweizer, Charles L Scofield, Robert W Scott, Walter F Scull, Walter F Scull, William	1709 St. Johns Pl., Brooklyn, N. Y.	
2ND 2IN	Schweizer, Charles L	710 3d Ave., Brooklyn, N. Y	
2IN	Scofield, Robert W	87 Macon St., Brooklyn, N. Y.	.5
2AQG 2AIU	Scull Walter	260 Fairmount Ave. Jersey City N I	
2AJR	Seckel, William	220 Wadsworth Ave., New York, N. Y.	
2AN	Seckel, William Sedlak, Conrad J Segall, Louis M	633 Main St., New Durham, N. J.	
2ACM	Segall, Louis M	1832 65th St., Brooklyn, N. Y	. 5
2AMC	Seiler, Frank B. Seitz, Wesley. Shaw, Albert E., jr Shaw, Horace S.	7 Seitz Court, Patchogue, N. V	
2ANK 2ANX 2PZ	Shaw, Albert E., ir	1060 72d St., Brooklyn, N. Y	
2PZ	Shaw, Horace S	391 St. Johns Pl., Brooklyn, N. Y.	
2ALM	Sheldon, Henry B	26 Main St., Keyport, N. J.	
2AQY	Showalter, John W	333 Birch St., Richmond Hill, N. Y	- 5
2CG 2AOR	Shirvell, Ernest J. A	32 Lawrence St., New York, N. Y.	- 6
20U	Showalter, John W. Shield, Frederic K. Shirvell, Ernest J. A. Siebert, Walter.	391 St. Jöhns Fl., Brooklyn, N. Y. 26 Main St., Keyport, N. J. 333 Birch St., Richmond Hill, N. Y. 23 Second Ave., Highland Park, N. J. 32 Lawrence St., New York, N. Y. 1538 E. 15th St., Brooklyn, N. Y. 36 Davis St., Rockville Center, N. Y. 54 Navin Pl., Newark, N. J.	1.0
2GV	Siegmann, Harry E Sievering, Harry W	26 Danie Ct Dealerille Center N V	1 0

# SECOND DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power
	Para la la la la la la la la la la la la la	388 E. 144th St., New York, N. Y. Ridgewood Ave. and Spruce St., Richmond Hill, N. Y. 156 19th St., Brooklyn, N. Y. 1349 1st Ave., New York, N. Y. 572 W. 187th St., New York, N. Y. 1017 South Ave., Westfield, N. J. 327 E. 27th St., New York, N. Y. 185 Brooklyn Ave., Brooklyn, N. Y. Valley Stream, N. Y. 143 Norton Ave., Port Chester, N. Y. Lawrence, N. Y. 129 N. 14th St., East Orange, N. J. 152 Croton Ave., Ossining, N. Y. 207 Wegman Parkway, Jersey City, N. J. 620 46th St., Brooklyn, N. Y. 56 Columbia St., New York, N. Y. 150 2d Ave., Newark, N. J. 29 Odell St., Schenectady, N. Y. 32 Raynor St., Freeport, N. Y.	Kw.
2AAD	Silleck, William C	388 E. 144th St., New York, N. Y.	0.
2APD 2BI	Skinner, William	156 10th St. Brooklyn N. V.	
2AQI	Smejkal, Harry	1349 1st. Ave. New York N. V	
2AQU		572 W. 187th St., New York, N. Y	
2IR	Smith, E. Carter Smith, Clarence B., jr. Smith, Edward J. Smith, Edward T. Smith, J. Owne. Smith, Nelson M. Smith, Nelson V. Smith, Ralph C. Smith, Robert W. Smith, William W. Solberg. Walter	1017 South Ave., Westfield, N. J	1.
2AFX 2KP 2LK	Smith, Edward J	327 E. 27th St., New York, N. Y	1700
2KP	Smith, Edgar T	185 Brooklyn Ave., Brooklyn, N. Y	1
2LK	Smith, J. Owne	Valley Stream, N. Y.	- 1
2IV 2JO	Smith Nelson V	Lawrence N V	1
2AEU	Smith, Ralph C	129 N. 14th St., East Orange, N. J.	
2ABQ.	Smith, Robert W	152 Croton Ave., Ossining, N. Y	
2ABQ 2AMF	Smith, William W	207 Wegman Parkway, Jersey City, N. J	0
2KH	Solberg, Walter Sommer, Isidor	620 46th St., Brooklyn, N. Y	1
2AQV	Sommer, Isidor	56 Columbia St., New York, N. Y	
2GC 2RP	Sonn, Albert E	20 Odell St. Schengetsdy, N. V.	1
2ARE	Southard Sealey M	32 Raynor St., Freeport, N. Y.	1
221113	Sonn, Albert E. Sorgeus, Walter M. Southard, Sealey M. South Side High School Ra- dio Club. See Hunkins, Carl J.	103 1st Ave., Highland Park, N. J. 501 Argyle Rd., Brooklyn, N. Y. 525 S. 4th St., Lakeview, N. J. 660 W. 180th St., New York, N. Y. 122 Guion Ave., Richmond Hill, N. Y. 122 Guion Ave., Richmond Hill, N. Y. 124 Guion Ave., Richmond Hill, N. Y. 125 Hampton Court Ter., Jersey City, N. Y. 125 Babylon, N. Y. 126 Humpton Court Ter., Jersey City, N. J. 128-A Hancock St., Brooklyn, N. Y. 128-A Hancock St., Brooklyn, N. Y. 128-A Hancock St., Brooklyn, N. Y. 128-A Hancock St., Brooklyn, N. Y. 128-A Hancock St., Brooklyn, N. Y. 129-A Hancock St., Brooklyn, N. Y. 129-A Honcod St., Brooklyn, N. Y. 129-A Honcod Pl., Yonkers, N. Y. 129-A Honcod Pl., Yonkers, N. Y. 139-A Honcod Pl., Yonkers, N. Y. 140 McDonough St., New York, N. Y. 150 Wood Pl., Yonkers, N. Y. 160 N. Broadway, Yonkers, N. Y. 160 N. Broadway, Yonkers, N. Y. 170 Hillside Ave., Rockville Center, N. Y. 170 Hillside Ave., New York, N. Y. 171 Alden St., Drooklyn, N. Y. 172 Hones Pl., Yonkers, N. Y. 173 New York Ave., Jamaica, N. Y. 174 Holen St., Drooklyn, N. Y. 175 Madison Ave., Elizabeth, N. Y. 176 High St., Passaic, N. J. 176 High St., Passaic, N. J. 176 High St., Passaic, N. J. 176 A Union St., Jersey City, N. J. 176 Rose St., Paterson, N. J. 176 Rutland Rd., Brooklyn, N. Y. 176 Rutland Rd., Brooklyn, N. Y. 178 St. Stribald Ave., Westfield, N. J. 180 Topping Ave., New York, N. Y. 181 Rose St., Paterson, N. J. 182 Halland Rd., Brooklyn, N. Y. 183 Edgeliff Ter., Yonkers, N. Y. 183 Edgeliff Ter., Yonkers, N. Y. 183 Edgeliff Ter., Yonkers, N. Y. 184 Housman Ave., Westfield, N. J. 185 Ghardson Ave., Pelham Manor, N. Y. 185 Ghardson Ave., Pelham Manor, N. Y. 186 Mott Ave., New York, N. Y. 187 Ghardson Ave., Pelham Manor, N. Y. 188 Housman Ave., Westfield, N. J. 189 Grapeliff Ter., Yonkers, N. Y. 189 Grapeliff Ter., Yonkers, N. Y. 181 Millside Ave., New York, N. Y. 181 Ghardson Ave., New York, N. Y. 182 Hadison Ave., New York, N. Y. 183 Edgeliff Ter., Yonkers, N. Y. 184 Housman Ave., Yonkers, N. Y. 185 Ghardson Ave., New York, N. Y. 185 Hatland Rd., Pooklyn, N. Y. 185	
2ALT	Spader, William V	103 1st Ave., Highland Park, N. J.	
2ALJ 2KZ	Spader, William V Spalding, Kenneth W	501 Argyle Rd., Brooklyn, N. Y	1
2IM	Spangenberg, Lester	25 S. 4th St., Lakeview, N. J	1
2WP	Spannaus, Charles O	660 W. 180th St., New York, N. Y.	1
2RF 2UY	Springer, C. Meredith	199 Guion Ave Richmond Hill N V	
2AOU	Stadler Reuben L	304 McNeal St., Millville, N. J.	1000
2APC	Stanard, John	1974 University Ave., New York, N. Y.	-
2FS	Stanley, Howard L	Babylon, N. Y	130
2AL	Stanley, Walter N	654 Putnam Ave., Brooklyn, N. Y	SIRK
2AKC	Stantley, Joseph J	5 Hampton Court Ter., Jersey City, N. J.	
2AGS 2AEE	Stanton, Walter A	440 McDonough St., Brooklyn, N. 1	
2VW	Stanard, John Stanley, Howard L. Stanley, Walter N. Stantley, Joseph J. Stanton, Walter A. Starrett, John Steinkamp, Harold Stenger, Harry C. Sterns, Morton W. Stevens, Fred Stewart, Douglass. Stewart, G. Edwin Stewart, Guy A., jr. Stimpson, Warren E. Storrs, William K. Stratton, L. Brainerd.	89 Hyatt Ave., Yonkers, N. Y.	
2VW 2AJN	Stenger, Harry C	484 Onderdonk Ave., Brooklyn, N. Y	100
2AB	Sterns, Morton W	705 W. 179th St., New York, N. Y	1
2AFL	Stevens, Fred	15 Wood Pl., Yonkers, N. Y	
2HS	Stewart, Douglass	90 N. Broadway, Yonkers, N. Y.	
2UZ 2AKA	Stewart Guy A ir	404 S 1st Ave. Mt. Vernon N. Y	: 30
2ADA	Stimpson, Warren E	1933 Daly Ave., New York, N. Y.	1
2AAC	Storrs, William K	513 E. 144th St., New York, N. Y	1
2AJQ 2AEV	Stratton, L. Brainerd	44 Seneca St., Oneida, N. Y	-33
2AEV	Strauss, Maurice B	568 5th St., Brooklyn, N. Y	
2HR	Summerville, Christopher	4 Jones Pl., Yonkers, N. Y.	1
2AKI 2KO	Summerville, Christopher Sypher, Edgar L., jr	1632 Parker St., New York, N. Y	
2AEL	Tannenbaum, Samuel	86 Warburton Ave., Yonkers, N. Y	1
2GS	Taylor, George W	171 Alden St., Orange, N. J	1
2AGH	Taylor, K. Allan	576 Madison Ave., Elizabeth, N. J	
2IS 2AMU	Tannenbaum, Samuel Taylor, George W. Taylor, K. Allan Teets, Albert S. Tennon, Evans H.	Hillside Ave., Peekskill, N. Y	
2AMU	Terhung Frank	167 High St. Passaie N. J.	
2ACZ 2AHO	Terhune, Frank	Savville, N. Y	To a contract of
2APA	Thornton, Joseph	922 Central Ave., Westfield, N. J	
2EC	Thornton, Joseph Thiede, Ferdinand C	486 Decatur St., Brooklyn, N. Y	133
2PJ	Thomas, Alonzo E., jr	176-A Union St., Jersey City, N. J	130
2AIW	Thompson, Harold	21 Rose St., Paterson, N. J.	1
2AOP 2ASI	Thomson, John M., Jr	22 Bloomlield Ave., Fassaic, N. J	-
20R	Tong Myron A	148 Housman Ave., West Brighton, N. Y	
2AEP	Touroff, Sigmund	1820 Topping Ave., New York, N. Y	1
2AOD 2CF	Townley, Harold C	505 Kimball Ave., Westfield, N. J	
2CF	Traflet, Frederick E	20 Cottage Place, Yonkers, N. Y	1
2ALH	Trautwein, Charles F	853 S. 12th St., Newark, N. J.	
2PT 2AAJ	Tripp David P	28 Close St. Schenectedy N. V.	1
2AC	Tripp, George B. ir	30 Edgecliff Ter., Yonkers, N. Y.	
2AOT.	Trowbridge, Otis H.	1396 Park Lane, Pelham Manor, N. Y	
2ABN	Trube, Carl E	6 Livingston Ave., Yonkers, N. Y	1
2AAU	Thiede, Ferdinand C Thomas, Alonzo E., Jr Thompson, Harold Thomson, John M., Jr Tirrell, Walter H Tong, Myron A Touroff, Sigmund Townley, Harold C Traflet, Frederick E Trautwein, Charles F Traver, William F Tripp, David R Tripp, George B., Jr Trowbridge, Otis H Trube, Carl E Trube, Robert L	Hastings-on-Hudson, N. Y.; 6 Livingston Ave., Yon-	13
2DZ	Tuna, Lawrence	kers, N. Y. 182 Madison Ave., New York, N. Y. 79 Winthrop St., Brooklyn, N. Y.	

# SECOND DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power.
1			Kw.
2FG	Tymeson, Sidney	21 Henry St., Schenectady, N. Y.	0.
2FG 2RM	Underhill, Chester R	47 Church St., Montclair, N. J.	
2AR	Underhill, Chester R Underhill, George H	78 S. Hamilton St., Poughkeepsie, N. Y	
2HD	Undermin, George H Underwood, Kenneth C Urbain, Ferdinand A Urban, Charles B	259 Mt. Prospect Ave., Newark, N. J.	
2OT 2APL	Urbain, Ferdinand A	1189 44th St., Brooklyn, N. Y	
PAMI	Von Cleef Howard	296 F Main St. Patchogue N. V.	
2AMI 2UU	Vanderbilt, Clinton B	5 Jerome Pl., Upper Montclair, N. J.	
2APW	Urban, Charles B. Van Cleaf, Howard Vanderbilt, Clinton B. Vanderbilt, Harold W. Van Doren, Harold I. Van Duzer, Charles P. Van Dyke, Theodore F., jr. Van Loan, Harold H. Van Meerbeke, C. J., jr.	21 Henry St., Schenectady, N. Y. 47 Church St., Montclair, N. J. 78 S. Hamilton St., Poughkeepsie, N. Y. 259 Mt. Prospect Ave., Newark, N. J. 1189 44th St., Brooklyn, N. Y. 118 Washington St., Westfield, N. J. 326 E. Main St., Patchogue, N. Y. 5 Jerome Pl., Upper Montclair, N. J. 205 Park Pl., Brooklyn, N. Y. 120 Union Ave., Westfield, N. J. 172 Fisk Ave., Westfield, N. Y. 246 Morris Ave., Summit, N. J. Athens, N. Y.	
2ALD	Van Doren, Harold I	120 Union Ave., Westfield, N. J.	1.
2CP 2AMB	Van Duzer, Charles P	172 Fisk Ave., Westerleigh, N. Y	
2ALT	Van Loan Harold H	Athens, N. Y.	
2ABK	Van Meerbeke, C. J., jr	Hazlet N I	
2KV 2RZ	Varetoni, Wm	115 Randolph Ave., Clifton, N. J. 36 Watson St., Paterson, N. J. 98 Abbott Ave., Ocean Grove, N. J.	
2RZ	Veneman, Peter	36 Watson St., Paterson, N. J.	
2ACA	Varetoni, Wm. Varetoni, Wm. Veneman, Peter Viering, Harry F Vogel, Erwin W Volke, Edgar Von Thun, Henry B	98 Abbott Ave., Ocean Grove, N. J.	
2ADX 2FB	Volke Edgar	883 S 10th St Newark N I	
2ACR	Von Thun, Henry B	461 Jefferson Ave., Brooklyn, N. Y.	
2AMT		1162 Forest Ave., New York, N. Y	
2AMP	von Ardyn, John	125 Riverside Drive, New York, N. Y	
2AMQ 2ADO	von Frankendorff, Leander	403 S. 7th St., Newark, N. J.	
20Q	von Ardyn, John von Frankendorff, Leander Vrooman, Max M Wade, J. Melmoth Waelde, William E Waggery Lewis G	83 Hamilton Ave. Vonkers N. V.	
2AAF	Waelde, William E	424 Church St., Poughkeepsie, N. Y.	
2AJU	Trastiti, Lie was di	122 Boulevard, Rockaway Beach, N. Y	
2AQ 2ANR	Wak Henry	82 17th Ave., Newark, N. J	
2ANR	Walcutt, Frank	841 W. 179th St., New York, N. Y.	
2ABU	Walcutt, Frank. Walton, Fred E. Ward, John R.	160 Garfield Pl. Brooklyn N V	
2QP 2DN	Warner, Herbert M	98 Abbott Ave., Ocean Grove, N. J. 61 S. Blvd., New York, N. Y. 838 S. 19th St., Newark, N. J. 461 Jefferson Ave., Brooklyn, N. Y. 162 Forest Ave., New York, N. Y. 125 Riverside Drive, New York, N. Y. 125 Riverside Drive, New York, N. Y. 126 State St., Schenectady, N. Y. 1204 State St., Schenectady, N. Y. 83 Hamilton Ave., Yonkers, N. Y. 122 Boulevard, Rockaway Beach, N. Y. 122 Boulevard, Rockaway Beach, N. Y. 124 W. 179th St., New York, N. Y. 181 W. 179th St., New York, N. Y. 161 Raymond Ave., Rutherford, N. J. 160 Garfield Pl., Brooklyn, N. Y. Little Falls, N. J. 221 S. Clinton St., East Orange, N. J.	
2AKT 2AKW	Warner, Herbert M Warner, Stanley F	221 S. Clinton St., East Orange, N. J	
2AKW	Warren, W. Harold	605 Munroe Ave., Asbury Park, N. J.	
2AGW	Watson, Edmund A	78 Van Ness Ave., Rutherford, N. J.	1.0
2AHM 2AMD	Weatherbee W T	Millington N. J	1.
2MQ	Warner, Stainey F Warren, W. Harold. Watson, Edmund A Watters, John J Weatherbee, W. T Weber, Ernest A	221 S. Clinton St., East Orange, N. J. 605 Munroe Ave., Asbury Park, N. J. 78 Van Ness Ave., Rutherford, N. J. Port Richmond, N. Y. Millington, N. J. 320 Spruce St., Richmond Hill, N. Y.	
2ABL 2AJK	Weigand, Daniel	320 Spruce St., Richmond Hill, N. Y.  Hazlet, N. J.  96 Watkins St., Brooklyn, N. Y.  5 Adams St., Port Washington, N. Y.  982 Linton Ave., New York, N. Y.  728 W. 181st St., New York, N. Y.  59 6th Ave., Long Branch, N. J.  44 South St., Newark, N. J.  484 Clinton Ave., Brooklyn, N. Y.  1125 Madison Ave., New York, N. Y.  Woodstock, N. Y.  Palisades Park, N. J.	
2AJK	Weiss, Benjamin Weiss, Jacob	96 Watkins St., Brooklyn, N. Y	
2FH 2IJ	Wells, Jacob	089 Linton Ava New York N V	1.
2CA	Werner, George J	728 W. 181st St., New York, N. Y	:
2CA 2FM 2AHE	West, Gilmore O	59 6th Ave., Long Branch, N. J.	
2AHE	Weller, William W Werner, George J. West, Gilmore O West, Russell H.	44 South St., Newark, N. J.	1.0
2AIJ	White, Clinton R	484 Clinton Ave., Brooklyn, N. Y	1.
2TJ 2AON	Whitehead Ralph R ir	Woodstock N V	:
2AMX	Whittleton, Harry M	Palisades Park, N. J.	
2APS	Wiendieck, Elmer C	Merrick, N. Y.	:
2WQ 2AJI	Willetts, Gilson V	92 Hamilton Ave., Yonkers, N. Y	
2AJI 2DR	Williams Arthur D	1460 Bedford Ave., Brooklyn, N. Y	
2A PT	West, Russell H. White, Clinton R. White, Howard E. Whitehead, Ralph R., jr. Whittleton, Harry M. Wiendieck, Elmer C. Willetts, Gilson V. Willey, R. T. Williams, Arthur D. Williams E. Harvey. Williams, E. Malcolm Willmott, George B. Wilson, John A., jr. Wimpfheimer, Gustave R. Winn, Arthur H.	92 Hamilton Ave., Yonkers, N. Y. 1460 Bedford Ave., Brooklyn, N. Y. 73 S. Arlington Ave., East Orange, N. J. 547 Clifton Ave., Newark, N. J. Troy High School, Troy, N. Y. 1138 E. 37th St., Brooklyn, N. Y.	
2AGN	Williams, E. Malcolm	Troy High School, Troy, N. Y.	1.0
2AGN 2EH	Wilmott, George B	1138 E. 37th St., Brooklyn, N. Y	
2GN	Wilson, John A., jr	Tenafly, N. J.  1056 Hoe Ave., New York, N. Y.  325 Church St., Poughkeepsie, N. Y.  247 Union St., Jersey City, N. J.  763 E. 152d St., New York, N. Y.  274 W. 135th St., New York, N. Y.  New York University, New York, N. Y.  224 W. 140th St., New York, N. Y.  459 Grove St., Westfield, N. J.  84 Amherst St., East Orange, N. J.  40 Edgewood Lane, Palisade, N. J.  569 W. 173d St., New York, N. Y.  Cresshill, N. J.	1.0
2QI	Winn Arthur H	225 Church St. Poughkeepsie N. V.	1.
2DA 2FP	Woerner, Charles A	247 Union St., Jersey City, N. J	1.
2IZ	Woerner, Charles A	763 E. 152d St., New York, N. Y.	.:
2AJA	Wood, Charles	274 W. 135th St., New York, N. Y	
2APT	Woodman, Malcolm W Woodrow, William Woodruff, Gordon B	New York University, New York, N. Y	1.
2LZ 2AKF	Woodruff Gordon B	459 Grove St. Westfield N. T.	1.0
2BV	Woodward Reginald	84 Amherst St., East Orange, N. J.	:
2ABC	Woolcott, James V Woolley, Harrison Worth, John B	40 Edgewood Lane, Palisade, N. J	1.
2APF	Woolley, Harrison	569 W. 173d St., New York, N. Y	
2IW	Wright Hoper O	Cresshill, N. J.	
2AES 2BE	Wright, nemy O	115 Mountain Ave., Westfield, N. J. 21 Irving Place, Passaic, N. J. 5 Old Road, Bayonne, N. J.	:
2HZ	Yerbury, George S., jr Youmans, Chester	5 Old Road, Bayonne, N. J.	::
2AKY	Young Man's Christian Ass'n	Asbury Park, N. J.	1.
2AEG	Ziegler, Edward F	705 Woodbine St., Brooklyn, N. Y	
2CM	Ziegler, Edward F Zimmerman, Herman, jr Zimmerman, William	Asbury Park, N. J. 705 Woodbine St., Brooklyn, N. Y. 2590 3d Ave., New York, N. Y. 765 Hunterdon St., Newark, N. J. 45 Clinton Place, Mt. Vernon, N. Y.	1.5
2AGU 2DB	Zucker, Richard D	45 Clinton Place Mt Vernon N V	1.0
AUD	Zuckel, Itichaid D	TO CHILDEN TIRCE, Mr. VERHOH, IV. I	

# SECOND DISTRICT—Continued.

# ALPHABETICALLY BY CALL SIGNALS.

	ANI HADDITORIDI DI CAMB DICAMBO.					
Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.	
2AA	Adams, Everett L. Storrs, William. Silleck, William C. Waelde, W. E. Tripp, David R.	2AGW	Watson, E. A.	2AKA	Stewart, Guy A., jr. Roberts, Hugh V. Stantley, J. T. Nichols, R. W. Cater, Raymond. Woodruff, G. B. Olson, George J.	
2AAC	Storrs, William.	2AGW 2AGX	Watson, E. A. Davies, R. J., jr. King, Frank. Roche, Walter J.	2AKB	Roberts, Hugh V.	
2AAD	Silleck, William C.	2A GZ 2A H	King, Frank.	2AKC 2AKD	Nichols P W	
2A A F 2A A J	Tripp. David R.	2AHA	Benzing, H. A.	2AKE	Cater, Raymond.	
2AAK	COCKBOAY, LAWIELLO	2AHC	Amy, E. V.	2AKF	Woodruff, G. B.	
01.135		2AHD	Benzing, H. A. Amy, E. V. Klopak, J. West, R. H. Mersfelder, J. H., jr.	2AKG 2AKH	Olson, George I. Robinson, C. S. Sypher, E. L., jr. Caulfield, J. V.	
2A A M 2A A O	Magnira Howard S	2AHE 2AHG	Mersfelder, J. H., ir.	2A KI	Sypher, E. L., ir.	
2AAP	Kollock, A. W.	2AHH	Rossner, James E. Comes, William J.	2AKJ	Caulfield, J. V.	
2AAQ	Judson, Joseph E.	2AHI	Comes, William J.	2AKK 2AKL	Maurer, Edward.	
2AB 2AAS	M. Lang, Ernest. Maguire, Howard S. Kollock, A. W. Judson, Joseph E. Sterns, Morton W. Brick, Frank K., Jr. Trube, Robert L. Pennell, Vere F. Woolcott, James V. Bilms, Charles A. Kayanagh, John.	2AHK 2AHL	Bocchio, Raymond. May, Anthony. Watters, J. J. Marshall, Leonard H. Thomhill, S. E. Noble, J. Kendrick. Rayle, Stapley.	2AKM	Maurer, Edward. Maran, J. F. Hanson, Geo. V. Eddy, John L., jr. Burns, Raymond N	
2AAU	Trube, Robert L.	2AHM	Watters, J. J.	2AKN	Eddy, John L., jr.	
2A A U 2A A Z	Pennell, Vere F.	2AHN	Marshall, Leonard H.	2AKO		
2ABC 2ABD	Woolcott, James V.	2AHO 2AHP	Noble I Kendrick	2AKP	Lockard, J. F. Leighton, Leo. Warner, Stanley F.	
2ABH	Kavanagh, John. Trube, Carl E. Dodd, H. H. Lorini, Osmun-W. Hulse, L. M. Bulston, Frederic K	2AHQ	Revie, Stanley.	2AKR 2AKT	Warner, Stanley F.	
2ABN	Trube, Carl E.	2AHR	Reyie, Stanley. Byrne, William.	l 2AKU	I ITOHEVWEIL KODERL.	
2ABO 2ABR	Lorini Osmun W	2AHS 2AHT	Bergner, James Rupert, Stephen E.	2AKV 2AKW	Herbert, Norman. Warren, W. Harold. Schwarz, Sylvan L.	
2ABT	Hulse, L. M.	2.7.11	G.	2AKX	Schwarz, Sylvan L.	
2ABV	Pulsifer, Frederic K.,	2AHU	Littlefield, Charles E.	2AKY	II.M.C.A.	
OA DW	Olson Arthur C	2AHY	Everingham, Charles	2AKZ 2AL	Anderson, Lansdell.	
2ABW 2AC	Jr. Olsen, Arthur C. Tripp, George B., jr. de Calahorra, A. S. Pohlman, L. V. Von Thun, Henry B. Maier, John C.	2AHZ	Eichfield, Nicholas.	2ALA	Anderson, Lansdell. Stanley, W. N. Francis, Sylvian.	
2ACJ 2ACL	de Calahorra, A. S.	2AI	Eichfield, Nicholas. Eber, J. G.	2A LB	Gratzner, Raymond. Merrihew, John E., jr.	
2ACL	Pohlman, L. V.	2AIA 2AIC	Draper, George B.	2ALC 2ALD	Merrinew, John E., jr.	
2ACR 2ACS	Maier, John C.	2AID	Draper, George B. Pfaltz, Orlando R. Butler, R. M.	2ALE	Van Doren, Harold. Fingerlin, Harold J.	
2ACU	Richardson, John R. Dunham, John S. Terhune, Frank.	2AIE	Scholz, Frank A. Betts, Philander H.	2ALF	l Manchee. Allevene	
2ACV	Dunham, John S.	2AIF 2AIG	Hevener Osborn F	2ALG	W.	
2ACZ 2AD		2AII	Brewster, Carlton.	2ALH	Angen, John. Trautwein, Charles F.	
2ADC	Humphrey, F. F.	2AIJ	Hevener, Osborn F. Brewster, Carlton. White, Clinton R. Leek, Nathaniel L.	2ALI	Trautwein, Charles F. Dunham, Nelson. Spader, William V.	
2ADE 2ADI	Humphrey, F. F. Eckler, H. D. Mitchell, Clifford E. Hunkins, Carl J.	2AIK 2AIL	Mulcahy, Frank.	2ALJ 2ALK	Capillon, Edward A	
2ADL	Hunkins, Carl J.	2AIM	Mulcahy, Frank. Giefer, Frank H.	2ALL	Capillon, Edward A. Dinger, William E. Sheldon, Henry B. Mason, Percy H. Huff, Frederick W. Hulse, Tremaine. Mulyapay Thomas	
2ADN	Guttmann, Bernard.	2AIN 2AIO	Ostrewich, Thaddeus,	2ALM	Sheldon, Henry B.	
2ADP 2ADU	Davis, Clarence F. Jakobson, I. D.	2AIP	Pieri, Donald. Harper, Augustus E.	2ALN 2ALO	Huff, Frederick W.	
2ADU 2ADX	Jakobson, I. D. Vogel, E. W. Happe, W. H.	2AIQ	Harper, Augustus E. Fink, Gustave.	2ALP	Hulse, Tremaine.	
2A E 2A E B	Happe, W. H.	2AIŘ 2AIS	Estberg, Hugo. Dawson, Fred.	2ALQ 2ALR	Mulvaney, Thomas. Kells, David G.	
2AED	Tompkins, G. F. Rappolt, F. A. Abrams, M. F. Ziegler, Edward F. Edwards, J. B.	2 A TT	Gluck, John.	2ALS 2ALT	l Oetjen, John J.	
2AEF	Abrams, M. F.	2AIU	Gluck, John. Scull, Walter. Miller, George.	2ALT	Van Loan, Harold H. Peiler, Harold.	
2A E G 2A E H	Edwards J. B.	2AIV 2AIW	Thompson, Harold.	2ALU 2ALV	Atkinson Reniemin	
2A E I	Reynolds, A. S.	2AIX 2AIY	Thompson, Harold. Ballentine, Harold E.	1 2ALW	Atkinson, Benjamin. Benson, Warren S. Hobson, Christopher	
2AEJ	Reynolds, A. S. Pettit, M. S. Sorten, H.	2AIY 2AIZ	Johnson, John A. Poling, Russell H.	2ALX	Hobson, Christopher	
2AEN 2AER	Sorten, H. Crinnion, E. T. J. Wright, H. O. Leyh, William. Bryant, M. V. Bodkin, Laurence G.	2AJ	Buttner, Edwin T.	2AMA	Ackerman, Rudolph	
2AES	Wright, H. O.	2AJA 2AJB	Buttner, Edwin T. Wood, Charles. Knies, Emil U. Carr, John.		w.	
2AEW 2AF	Leyn, William.	2AJB 2AJC	Carr John	2AMB	VanDyke, Theodore	
2A FA		2AJD	Redfern, William W. Rowley, Herbert G. Broome, Frank H. DeVizio, Joseph.	2AMC	Seiler, Frank.	
2A FE	I DIX HATOICE.	2AJE	Rowley, Herbert G.	2AMD	Weatherbie, W. T.	
2A FH 2A FM	Schaefer, Adolph. Holmes, George. Lehman, E. W. G. Goll, Robert E.	2AJF 2AJG	DeVizio, Joseph	2AME 2AMF	Seiler, Frank. Weatherbie, W. T. Frank, Richard. Smith, William W. Jaques, Channing K. Bettels, Edward T.	
2AFR	Lehman, E. W. G.	2AJH		1 2AMG	Jaques, Channing K.	
2A FU	Goll, Robert E.	2AJI	Willey, R. T. Weiss, Benjamin. Kaluing, W. C. Requa, Reginald C.	2AMH	Bettels, Edward T. Brush, George. Ruddy, George E. Allen, William F.	
2AFW 2AFY	Muller H W	2AJK 2AJL	Kalning W.C.	2AMI 2AMJ	Brush, George E	
2AG	Mulford, H. C.	2AJM	Requa, Reginald C.	2AMK	Allen, William F.	
2AGA	Hornung, J. L. Muller, H. W. Mulford, H. C. Bilsky, Walter. Linday, Walter	2AJN	Stenger, H. C.	2AML	Mueller, Carl F., jr. Hubbey, Russel S. Hart, Phillip. Heiss, Walter.	
2AGC 2AGG	Lindgren, Richard N. Mayer, Warren J. Taylor, Kimber A.	2AJO 2AJP	Grammet, Melvin L.	2AMM 2AMN	Hart, Phillip	
2AGH	Taylor, Kimber A.	2AJQ	Stratton, Brainerd.	2AMO	Heiss, Walter.	
2AGJ		2AJR 2AJT	Seckel, William.	2AMP	Ardyn, John V.	
2AGM 2AGO	Norris, Robert P.	2AJU	Wagerer, Lewis G.	2AMQ	Frankendorff, Lean- der V.	
2AGQ 2AGT	Buttner, Edwin. Norris, Robert P. Rosenberg, Uda B. Schleckser, Raymond	2AJV	Cronin, William.	2AMR	Avery, John.	
2AGT	Schleckser, Raymond R.	2AJW 2AJX	Dederick Horry C	2A MS 2A MT	Hunter, John W. Voepel, Daniel, jr.	
2AGU	Zimmerman, Wil-	2AJY	Requa, Reginald C. Stenger, H. C. McKenna, John K. Grammet, Molvin L. Stratton, Brainerd. Seckel, William. Reilly, Hugh. Wagerer, Lewis G. Cronin, William. Schmelzer, Gerhard. Dederick, Harry C. Goldstein, Jack. Rice. Robert.	2AMU	Tennon, Evans H.	
	l liam.	2AJZ 2AK		2AMV 2AMW	Tennon, Evans H. Adolph, Herbert.	
ZAUV	Sievering, H. W.	ZA.K.	Hunkins, C. J.	ıı ZAMW	Coon, George.	

# SECOND DISTRICT—Continued.

# ALPHABETICALLY BY CALL SIGNALS-Continued.

		<del></del>		=	<del></del>
Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
2AMX	Whittleton, Harry M.	2APV	Hymmen, Robert.	2A (	Schram, John, jr.
2AMX 2AMY	Geil. Henry.	2APW	Vanderbilt, Harold	2AV	Y.M.C.A., Eastern
2A MZ 2A N	Roehrich, Henry. Sedlak, C. J.	2APX	W. Baker, A. L.	2AW	Dist. Melville, Richard T.
2AN 2ANA	Lindheimer, Carl M.	2APX 2APY 2APZ	Baker, A. L. Charleton, E. E. Freeman, Robert J.	2AZ	Melville, Richard T. Pearl, E. S.
2ANB 2ANC	Leo, Nelson. Guy, R. F.	2APZ 2AQ	Wak, Henry.	2BA	Ash, Harry M., jr.
2ANC 2AND 2ANE		2AQA	Drury, Frank.	2BB	Lounsberry, Isaac.
2ANE 2ANF	McLean, True.	2AQB 2AQC	Jacquet, Lloyd.	2BC 2BD	Harrietts, J. B. Banta, T. C.
2ANF 2ANG	McLean, True. Fish, Edward H. Kirchhoff, W. J. Raufer, Frank J.	2A Q H 2A Q H	Gardner, Wm. E. Scott, W. F.	2BE	Yerbury, G. S.
2ANH 2ANI	Raufer, Frank J. Heinsman, Milton.	2AQH	Palmer, Thomas.	2BG 2BI	Yerbury, G. S. Gaede, G. F. Slater, Harry.
2ANI 2ANJ	Hoff, R. S. Seitz, Wesley.	2AQI 2AQJ 2AQK 2AQL 2AQL 2AQM 2AQO	Scott, W. F. Palmer, Thomas. Smejkal, Harry. Clarkin, William. Lambert, F. F. Love, J. H.	2BJ	Dahms, Herbert. Mann, Samuel.
2ANK 2ANL	Seitz, Wesley.	2AQK	Lambert, F. F.	2BL 2BM	Mann, Samuel.
2ANM	Adams, C. B. Foot, N. B.	2A OM		2BO	Heermance, E. McIntire, M. A.
2ANO 2ANP	Nelson, Irving J.	2\Q0	Alexander, B. H.	2BQ 2BR	McIntire, M. A. Guild, Baldwin.
2A N O.	Valentine, Russel D. Crowe, H. A.	2AQP 2AQQ 2AQR	Bargebuhr, H. M. Hoffman, Frank. Grover, Paul B.	2B8	Krech, Karl G. Asche, Charles F.
2ANR 2ANS	Walcutt, Frank.	2AQŘ	Grover, Paul B.	2BT	Adams, E. F. Olson, Oscar A.
2ANT	Walcutt, Frank. Koyen, W. R. Brown, Mortimor.	2AQ8 2AQT 2AQU	Bohman, Albert. Ferris, C. S. Smith, E. C.	2BU 2BV	Woodward, Reginald.
2ANU	Midgley, Herbert. Hirschield, Edward.	2AQU	Smith, E. C.	2BW	Hymes, E.
2ANV 2ANW	Schaeffer, Maximil-	2AOV 2AOW	Sommer, J. Frankenstein, E. S.	2BY 2BZ	McHugh, John A. Lyman, C. G.
	l lian.	2AQV 2AQW 2AQX 2AQY 2AQZ 2AQZ 2ARA	Bement, F. Showalter, J. W.	ł	1 ' '
2ANX 2ANY	Shaw, A. E., jr. Felt, G. G.	2AQY	Bhowaiter, J. W. Hull, N. C.	2CA 2CB	Werner, G. J. Leeb. Henry L.
2ANZ	i Johnson, K. H.	2AR	Underhill, George H.	2CD	Leeb, Henry L. Robbins, W. E., jr.
2AO 2AOA	Jones, R. O. Mase, F. K.	2ARA 2ARB	Balison, Howard. Plauth, William.	2CE 2CF	i Dain, John W.
2AOB	Macsond, M. E.	2ARC	Ferguson, G. M. Oechler, Alfred C.	2CF 2CG	Traflet, F. E. Shield, Frederic K.
2AOC 2OOD	Cherry, G. S.	2ARD 2ARE	Oechler, Alfred C. Southard, Sealey M.	2CI 2CJ	
2AOE	Macsond, M. E. Cherry, G. S. Townley, H. C. Larsen, Rudolph.	2ARF	Allen, James J. Bona, Edward.	2CK	Bathgate, W. E. O'Brien, T.
2AOF 2AOG	Pichter Pohert	2ARG 2ARH	Bona, Edward. Randell Edward I	2CL	Brooklyn Telegraph School.
2AOH	Kleppe, Arthur. Muller, H. G. Leathe, W. W. Class, Charles L.	2ARI	Randell, Edward J. Pawley, Myron G. Leiter, David.	2CM	Zimmerman, Her-
2AOI 2AOJ	Muller, H. G.	2ARJ 2ARK	Leiter, David.	2CN	man. Dickey, E. T.
2AOK	Class, Charles L.	2ARL	McCoy, Lester. Perry, J. D.	2CO	Beechel, G. H. J.
2AOL 2AOM	Horn, Charles W. Manning, Conant.	2ARM 2ARN	Dimmick, E. R. Bremer, F. V.	2CP 2CQ	I Van Duzen, Charles P.
2AON	Whitehead, R. R., jr. Erven, R. P.	2ARO	Rau, James F.	2CR	Hampe, Bernard A. Blauvelt, W. M.
2A00 2A0P	Erven, R. P.	2ARP 2ARQ	Campbell, George C.	2CS 2CU	Schaefer, C. L. Robbins, Walter G. Ritter, Alexander. Ham, Frank M. Daviern W. H. ir
2AOQ	Roquer, L. E.	2ARR	Miller, Raymond. Cohen, Monte. Grece, Joseph F.	2CV	Ritter, Alexander.
2AOR 2AOT	Thomson, J. M., jr. Roquer, L. E. Shirvell, E. J. A. Trowbridge, O. H. Stadler, Reuben L. Davidson, Arthur	2ARS	Grece, Joseph F.	2CV 2CW 2CX 2CY	Ham, Frank M.
2A O U	Stadler, Reuben L.	2ART 2ARU	Hammond, George P. Machlett, Raymond	2CY	Davison, W. H., jr. Ferris, Malcom.
2AOY	Devenous in the l	2ARV	R. Appell, Daniel T.	2CZ	Becker, Frank.
2AOZ 2AP	Schlitz, Karl W. Benson, Edwin.	2ARW	Jockers, Edwin B.	2DA	Winn, A. H.
2APA 2APB	Thornton, Jas.	2ARX 2ARY	Dickinson, Edwin A. Berger George P	2DB 2DC	Zucker, R. D. Maher, Frank.
2APC	Stanard, John. Skinner, William. Averill, William H.	2ARZ	Erickson, E. T. De Yoe, W. L. Genodette, Honore. Houseworth, Charles	2DD	Hammond, T. M.
2APD	Skinner, William.	2A8 2A8A	De Yoe, W. L.	2DE 2DF	Ruttmann, F.
2APE 2APF 2APG	I W COLIEV. H.	2ASB	Houseworth, Charles	2DG	Hoyt, William L. Higgs, H. Y.
2A P G 2A P H	Hegmegee, J. O. L. Kalbach, C.	2ASC	1 W. 1	2DH 2DK	Knapp, Samuel.
2 A P I	I Williams, E. H.	2ASD	Hauger, Oscar. Gehret, Ernest G.	2DL	Knapp, Samuel. Maguire, Nelson. Bangert, Valentine F
2APJ 2APK	Lauterborn, G. E. Scheidler, H. D. Urban, C. B. Purvis, H.	2ASE	Johnson, Axel W. Sohnle, Fred.	2DM 2DN	I Sachs, H.
2APL	Urban, C. B.	2A8F 2A8G	MacBride, William D	2DO	Warner, Herbert M. Guldi, Walter E.
2APM 2APN	Purvis, H.	2A8H 2A8I	MacBride, William D Geoghagen, T. V. Tirrell, Walter H.	2DP 2DQ	Crocker, Frank H. Porter, Roland.
2A PO	Haustoth, A. H., jr.	2A81 2A8J	Nobroader Henry	2DŘ	Williams, A. D.
24 P P	Tyler, B. Pring, P. J.	2ASK	Schwartz, Adolph.	2D8	Williams, A. D. Clark, Le Roy.
2APQ 2APR	Knight, H. E. H. Carpenter, S. C.	2ASL 2ASM	Schwartz, Adolph. Thurston, George. Borduin, David. Koegel, Carl J.	2DV 2DZ	Kissick, R. G. Tuna, Lawrence.
2AP8 2APT	Carpenter, S. C. Wiendieck, E. C. Woodman, M. W.	2ASN	Koegel, Carl J.	i	i
2APT 2APU	Woodman, M. W. Krantz, H. K.	2A80 2A8P	Engstrom, Joseph E. Ruben, Samuel.	2EA 2EC	Doty, W. P. Thiede, F. C.
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# SECOND DISTRICT—Continued.

# ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of stational
01610	Jame Casham V	OTT	Miller Tohn W in	07.77	Wasdam W
2ED	Lowe, Graham V.	2ID 2IE	Miller, John W., jr. Lemmon, W. S.	2LZ 2MA	Woodrow, W.
2EG 2EI	Arany, Egmont. Quick, H. C. Bechelofft, C. B.	21 F	Millor Fugeno B	2MC	Woodrow, W. Hasbrouck, Earl. Garity, William E. Booth, Sherman F.
2EJ	Decheloff C.B.	21F 2IH	Miller, Eugene B. Hiller, Harry E.	2ME	Poeth Cherman E.
2EK			Howell W. T.	2MF	Hoppool: A H
OFN	Hoernel, Paul.	2II 2IJ	Howell, W. J. Weller, W. Jensen, Martin.	2MH	Hoppock, A. H.
2EN 2EP	Famigan, James W.	217	Toncon Mostin	2MI	Morris E
2ES	Halligan, James W. Englehart, L. W. Campbell, R., jr. England, G. B. Droste, G. T. Hajos, Eugene. Lackson, R. R.	2IK -2IL	McClintock, G. C.	2ML	Buchanan, W. F. Morris, E. S. Donovan, E. T. Betts, Philander C. Waber F. A.
2ET	England G B	2IM	Spangenherg I.	2MN	Bette Philander C
2E U	Drosta G T	2IN	Spangenberg, L. Scofield, R. W.	2MQ	Waber F A
2EV	Haine Europa	210	Scofield, R. W. Patton, Norman F. Ashmall, W. E., jr. Teets, Albert S.	2MR	Weber, E. A. Atwater, F. G., jr.
2EV 2EX	Tackson R R	2ÎP	Ashmell W E ir	2MS	Berri, Herbert.
2EY	McKinney, F. J.	218	Teets, Albert S.	2MT	Moses, Abram W
2EZ	Jackson, B. B. McKinney, F. J. Donohue, Peter J Pfeifer, C. H. Voeke, Edgar. Derx, Martin, jr. Brower, H. S.	2IT	Cowper, Norman. Smith, Nelson M. Worth, J. B. Dugan, E. W. Wohl, William M.	2MV	Moses, Abram W. Bell, A. E.
2FA	Pfeifer, C. H.	l 2IV	Smith, Nelson M.	2MX	Le Gallez, Clayton B.
2FB	Voeke, Edgar.	2IW	Worth, J. B.	2MY	Cohen, Edwin K.
2FC	Derx. Martin, ir.	2TY	Dugan, E. W.	2MZ	Ferguson, James B., jr.
2FF	Brower, H. S. Weiss, Jacob.	2IZ	Wohl, William M.	1	
2FH	Weiss, Jacob.	ŀ		2NA	Dawley, Earle Reed. Katz, Frederick.
2FJ	Helwig, H. F.	2JA	Caruthers, David.	2NC 2ND	Katz, Frederick.
2FK	Freure, Richard W.	2JB	Smith. Clarence B., ir.	2ND	Schweiser, Charles L.
2FM	Helwig, H. F. Freure, Richard W. West, G. D.	2JC	Connors, James.	2NF	Homan, E. J.
2FN	I Roth Angust F. I	2JD	Connors, James. Boeder, Arthur R.	2NI	Schweiser, Charles L. Homan, E. J. Moles, C. E.
2FO	Blanchard, Wesley S.	2JF	Lockwood, Nelson W	2NJ	Kennedy, Harold J.
2FP	Blanchard, Wesley S. Woerner, C. A. Connor, H. G.	2JH	Lockwood, Nelson W Fricke, William B.	2NK	Kennedy, Harold J. Palm, J. A.
2FQ	Connor, H. G.	2JI 2JN	Ruhlman, Ernest R.	2NL	Bucknam, John R. Nightingale, John.
2FR	Ettlinger, Albert. Stanley, H. L. Murray, William E. Brooks, L. V. Foster, D. E.	ฆุท	Ruhlman, Ernest R. Atwater, Charles K. Smith, N. V.	2NN	Nightingale, John.
2F8	Stanley, H. L.	210	Smith, N. V.	2NO	Merritt, Frank.
2FT 2FU	Murray, William E.	2JP	Pruden, Harold M. Bruce, Edmond.	2NP	Loeme, George F.
ZFU	Brooks, L. V.	2JR 2JS	Lordin Jomes C	2NQ 2NR	Isaacson, Charles B. Heuer, William H.
2FV 2FX	Cidney Dog V	2JT	Larkin, James S.	2NR 2N8	Heuer, William H.
2FZ	Gidney, Ray V. Harris, C. C.	2ี่มีปั	Goette C. T.	2NU	Hoffman, Paul J. Hill, William S.
217	nairs, c. c.	2jv	Dennis, F. T. Goette, C. J. Reich, Herbert.	2NV	Meder, George C.
2GB	Bartlett B W	Σ̈́X	De Cartin, G. A.	2NW	Austrian, Ralph B.
2ĞC	Bartlett, B. W. Sonn, A. E.			2NY	Austrian, Ralph B. N. Y. School of Teleg-
2GF	Brockman, F. C. Dahlgren, B. Hardy, Myles. Murphy, Dennis.	2KA	Coote, C. W.	i	raphy.
2G G	Dahlgren, B.	2KB 2KC	Schabbehar, Edwin A.	2NZ	raphy. Pfeil, A. L.
2GH	Hardy, Myles.	2KC	Haves, Frank		1
2GI	Murphy, Dennis.	2KD	Browne, W. S.	20 A	Hammond, Lester.
2GJ	Cronemeyer, E. C.	2KE	Maloney, J. T. Nolan, George T.	20C	Erasmus Hall High
2GK	Pate, W. Schuyler.	2KF	Nolan, George T.		School.
2GL	Cronemeyer, E. C. Pate, W. Schuyler. Ashley, George. Moss, Sidney W.	2KG 2KH	Layng, G. Solberg, W. Uphof, L. S.	20E	Raynor, Sinclair L. Meier, Robert A. Horning, Robert H. O'Mara, Edward F. Wade, Melmoth. Tong, Myron A. Mardon, Frederick H.
2G M	Moss, Sidney W.	2KH	Solberg, W.	20F	Meier, Robert A.
2GN	Milson, John A., jr. Mulligan, Harry G. McClintock, RalphW. Manning, Charles T. Gardell, Emil C. Taylor, George W.	2KI	Opnoi, L. S.	20J 20M	Horning, Robert H.
2GO 2GP	Mulligan, Harry G.	2KJ	Cummings, Frank X.	20.00	Wada Malmath
2GQ	Monning Charles T	2KK 2KL	Day, H. B.	20Q 20R	Tong Myron A
2GR	Gardell Emil C	2KM	Gregory, A. V. Francis, Charles E.	20X	Mardon Frederick H
2GS	Taylor George W	2KN	Collison, Percy B.	ZUA	mardon, Frederick II.
ŽĞÜ	Taylor, George W. New York Catholic	2KO	Tambupino, Antho-	2PC	Barriette Samuel L
200	Protectory.		nv.		Barriette, Samuel L. Eckstein, William J.
2GV	Sieggmann, Harry E.	2KP	ny. Smith, Edgar T.	2PG 2PH	Pendleton, A. F.
2GY	Sieggmann, Harry E. Dietz, Walter.	2KQ 2KR	Schaeler, R. C.		,
	1	2KŘ	Hallenbeck, Charles.	2PJ	Thomas, Alonzo E., jr.
2HA	McCoy, Daniel.	2KS 2KT	Morton, Edward M.	2PM 2PN	Faraon, A. D. Berger, Henry C.
2HD	Underwood, R. C. Rock, Le Roy W. Coate, C. W.	2KT	Robertson, M. E. Oehmen, O.	2PN	Berger, Henry C.
2HE	Rock, Le Roy W.	2KU	Uenmen, U.	2PQ 2PS	
2HF	Coate, C. W.	2KV	Varetoni, William.	ZPS	Cohen, Samuel. Lally, Joseph.
2HI	Schuck, Charles H.	2KW	Plummer, J. A. Kilmer, T. W. Goodchild Electrical	2PU	Lally, Joseph.
2HJ 2HL	Muller, J. A., Jr.	2KX 2KY	Coodebild Floatricel	2PW	Hellman, Abraham E.
2HM	Moler, Rollin M.	2K.1	Co.	2PX 2PY	Hamilton, A. G. Bogardus, Henry L.
2HO	Schuck, Charles H.  Schuck, Charles H.  Muller, J. A., jr.  Huyler, Rollin M.  McKee, Clarence A.  Lyons, W. B.  Maybaw B. A. ir	2KZ	Spalding, K. W.	""	Bogardus, Helli y D.
2HP	Maybow B A ir	2152	parding, it. w.	20B	Blackford, H. W.
2HR	Summerville, Chris	2LC	Roberts, A. P.	2QB 2QD 2QG	King, Wendell W.
2HS	Stewart, Douglas.	2LE	Roberts, A. P. Egolf, R. E.	20 G	King, Wendell W. Gale, Rowland A.
$\widetilde{\mathbf{2HT}}$	Duing, Alan C.	2LH	I Savres Rainh A	2ÕI	Wimnfhaimar (1 K
2HU	Hotchkiss, G.	2LI	Meachman, F. C., ir.	2QI 2QJ	Eckley, H. J.
2HV	Collignon, Francis A.	2LJ	Hoagland, Raymond.	2QP	Ward, John R.
2HW	Combes, Rae.	2LK	Smith, J. O.	2QQ	Green, Irving W.
2HX 2HY	Lyons, W. B. Mayhew, B. A., jr. Summerville, Chris. Stewart, Douglas. Duing, Alan C. Hotchkiss, G. Collignon, Francis A. Combes, Rae. Lane, D. M. Muckenhaunt, C. F.	2LL	Meachman, F. C., jr. Hoagland, Raymond. Smith, J. O. Benedict, A. R.	2QP 2QQ 2QR	Eckley, H. J. Ward, John R. Green, Irving W. Robertson, W. L. Osborne, J. Spencer.
2HY		2LN		2QŬ	Osborne, J. Spencer.
2HZ	Younmans, Chester.	2LP	Green, Ray J.	055	
OTT	Trans. W.14	2LS	Green, Ray J. Jablonsky, William. Breen, Thomas J.	2RB	Reuman, William H. Springer, Charles M.
2IB	Feeney, Walter.	2LW	Breen, Thomas J.	2RF	springer, Charles M.
2IC	Faraon, A. J.	2LY	Hoover, R.	2RH	Reiss, Lester.

#### SECOND DISTRICT—Continued.

# ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
2RJ 2RL 2RP 2RR	Porter, Charles A. Camp, Victor F. Sorgeus, Walter M. Haighs, Russell P.	2TP 2TQ 2TV 2TY	Bohn, William C. Adams, William. Glenn, George. Lane, George.	2VM 2VQ 2VW	Brown, P. T. Agnoli, Justus. Steinkamp, H.
2RV	Johnson, W. E.	2TZ	Collins, F. J.	2WA	Keers, John K.
2RW 2RX	Bailey, H. W. Picken, James C., jr.	2UF	Evans, A. F.	2WB 2WC	Fogetti, H. J. Pollak, J. M.
ARA	ratel, James C., Jr.	2ŬĜ	Bondeaux & Knights.	2WE	Haydon, Albert R.
2SB	Sangree, Ernest M.	2UO	Heyer, B. W.	2W F	Nolan, T. J.
28F	Kollock, A. S.	2UQ	Hallett, E. D.	2WG	Lemkie, H. A.
28G	May, Fred.	2UR	Arany, Leo.	2WH	Pearsall, A. R.
28K	Murray, Charles.	2UV	Oliver, George E.	2WI	Anderson, R. W.
28M	Hatry, William B.	2UY	Squire, Milford.	2WK	Caggiano, C. J.
2SP	Bleilevens, Gerhardt.	2UZ	Stewart, G. E.	2WL	Ryan, L. F.
2SQ	Kreift, R. A.			2W M	Fowler, J. B.
28T	Emanuel, John H.	2VC	Johnson, T., jr.	2W N	Betler, W. A. G.
		2VE	Robertson, Gus.	2W P	Spannaus, C.
2TB	Ford, Everett J.	2VI	Loub, A. F.	2WT	Poole, William C.
2TE	de Forest, E. L., jr.	2VK	Cobert, James D.	2WY	MacLeod, Myron R.

#### THIRD DISTRICT.

[Headquarters: Customhouse, Baltimore, Md. The third district comprises the States of New Jersey (all counties not included in second district), Pennsylvania (counties of Philadelphia, Delaware, all counties south of the Blue Mountains, and Franklin County), Delaware, Maryland, Virginia, and the District of Columbia.]

#### ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power.
			Kw.
3PC	Abbott, E. H. B	417 Landis Ave., Vineland, N. J	0.
3AMK	Abdill, George S	1 125 E. Union St., Burlington, N. J.	
3QK	Adams, Leslie H	828 Landis Ave., Vineland, N. J	1.0
3CA	Adelberger, Adrian J	Wayne Pa	
3ET	Alber, Robert C	5018 Irving St., Philadelphia, Pa	1.
3WJ	Alden, John H	124 Bryant St. NW., Washington, D. C	
3BM	Allen, George Y	Bernardsville, N. J.	
3PE	Allen, John P	Bernardsville, N. J. 2032 N. Capitol St., Washington, D. C.	
3VH	Anconia, Frederick B	1579 Mineral Spring Rd., Reading, Pa	
3QD	Andersen, Frederick J	735 Lincoln St., Reading, Pa. 612 Cherry St., Camden, N. J.	.0
3SR	Anderson, John A	612 Cherry St., Camden, N. J.	
3LJ	Anderson, Joseph L	Texas, Md. 2510 26th St., North Wildwood, N. J.	
3KR	Anderson, Richard J	2510 26th St., North Wildwood, N. J	
3TQ	Andrews, Edward C	22d and Morris Sts., Philadelphia, Pa	
3JF	Apfelbaum, Martin	2711 Girard Ave., Philadelphia, Pa	
3VG	Applegate, Franklin and Macpherson.	34 Hillcrest Ave., Trenton, N. J.	
3AX	Arner, Oscar Q	56 V St. NW., Washington, D. C	
3AA	Ashmore, John W	3408 Hamilton St., Philadelphia, Pa	
3CN	Ashton, Leon W	106 Washington Ave., Collingswood, N. J	
3AIB	Atkinson, T. Howard	423 E. State St., Trenton, N. J	
3QN	Atlee, Charles B	100 Linden Ave., Riverton, N. J	
3PI	Atlee, Franklin	2039 Pine St., Philadelphia, Pa	
3JC	Ault, Arthur K	1152 Columbia Ave., Baltimore, Md	:
3GC	Bach, Earl C	926 N. 4th St., Allentown, Pa	:
3AFI 3GZ	Backe, Louis M., jr	17 Maxham St., Sea Isle City, N. J. 1211 Ridge Ave., Philadelphia, Pa.	
3MA	Bacon, Harry E	1527 Girard Ave., Philadelphia, Pa.	
3CK	Baer, Francis M	1744 Corcoran St. NW., Washington, D. C	
3DD	Baily, William J., jr	5218 Spruce St., Philadelphia, Pa	
3MU	Baily, William J., jr	5417 Addison St., Philadelphia, Pa.	
3CS	Baker, Harold Z	134 N. Church St., Waynesboro, Pa	
3AMN	Bakley, Frank W	300 9th St. Ocean City, N. J.	
3PL	Ballentine, Charles S	300 9th St., Ocean City, N. J. 4810 Germantown Ave., Philadelphia, Pa	:
3AKP	Bargelt, R. L.	Woodstock, Va	
3AGF	Barkley, Joseph A	Woodstock, Va	1.
3SW	Barnard, Julian W	Bryn Mawr, Pa	1.
3MS	Barnhart, Lawrence W	1637 N. 6th St., Harrisburg, Pa	
3KN	Barr, Richard H	602 W. Chestnut St., Lancaster, Pa	1.
3RZ	Barrett, Montague W	222 Dartmouth St., Norfolk, Va	

# THIRD DISTRICT-Continued.

signal.	Owner of station.	Location of station.	Power
			Kw.
3SY	Barretta, Valroy, S	Vineland, N. J	6.
3QX	Barrington, Roger W	608 Park Ave., Pensauken, N. J.	700.
30J	Barron, John H., jr	Vineland, N. J.  608 Park Ave., Pensauken, N. J.  3022 Abell Ave., Baltimore, Md.  112 W. 17th St., Wildwood, N. J.  5308 Haverford Ave., Philadelphia, Pa.  1246 N. Broadway, Baltimore, Md.  1126 W. North Ave., Baltimore, Md.  Woodbine, N. J.	
3AKG 3WY	Basford Robert F	5308 Haverford Ava Philadelphia Pa	1
3AJ	Bansman, George H	1246 N. Broadway, Baltimore, Md	.:
BASK	Baxley, C. Herbert	1126 W. North Ave., Baltimore, Md.	1
3QT	Bayard, Arnold	Woodbine, N. J	1.0
3QT 3ATI 3VM	Bayne, C. Armistead	914 Moran Ave., Norfolk, Va	1.0
3VM	Baynes, Ralph J	812 Vandever Ave., Wilmington, Del	
3BL 3ARW	Beach, Harry L	3711 M St. NW., Washington, D. C	
3AIR	Beaumont Robert H	7432 Devon St. Philadelphia Pa	
3WS	Beaumont, Robert H	Atlantic City, N. J.	1.0
3WS $3AAV$	Bechler, William C., jr	1443 S. 3d St., Philadelphia, Pa	
3ARF	Beck, Page M	300 Minor St., Richmond, Va	
3AGI	Beck, Rodney M	4833 Pulaski Ave., Philadelphia, Pa	.5
3WV 3JS	Bookley Francis C	Woodbine, N. J.  914 Moran Ave., Norfolk, Va 812 Vandever Ave., Wilmington, Del. 3711 M St. N.W., Washington, D. C. 3732 Locust St., Philadelphia, Pa. 7432 Devon St., Philadelphia, Pa. Atlantic City, N. J. 1443 S. 3d St., Philadelphia, Pa. 300 Minor St., Richmond, Va. 4833 Pulaski Ave., Philadelphia, Pa. 2118 N. 5th St., Philadelphia, Pa. Media, Pa.	1 .5
3AMF	Barrington, Roger W Barron, John H., ir. Basford, Robert F. Basford, Robert F. Basford, Robert F. Basmann, George H. Baxley, C. Herbert. Bayard, Arnold Bayne, C. Armistead Baynes, Ralph J. Beach, Harry L. Beaston, Frank, ir. Beaumont, Robert H. Beaumont, Robert H. Beaumont, Robert H. Becker, William C., jr Beck, Page M. Becker, Frank F. Beekley, Francis C. Beekman, Robert L. Bebaan, Arthur R.	Mt Washington Md	1.0
3IM	Behan, Arthur R	3447 N. 15th St., Philadelphia, Pa.	
3NL	Behm, L. F. F	1519 Poplar Grove St., Baltimore, Md	.5
3AEF	Beidelman, Harry A	840 Elm St., Camden, N. J	.5 .5 .5 1.0
3NI	Behm, L. F. F. Beidelman, Harry A. Bell, Albert A., jr. Belt, William B.	Media, Pa.  Mt. Washington, Md.  Mt. Washington, Md.  Mt. Washington, Md.  Mt. Washington, Md.  1519 Poplar Grove St., Baltimore, Md.  840 Elm St., Camden, N. J.  840 Elm Ave., Hamilton, Md.  Hyattsville, Md.  451 Chestrut St., Philodelphia, Pa.	1.0
3ARL 3VY	Belt, William B Beresford, Rees H Bergen, Donald M Bergey, H. Leon Berkeley, Kenneth H Bernhard, William Bernstein, Abe R Bertolet, Benjamin, jr Bickel, E. Ciliton Biddle, Howard L., jr Bidwell, George L Bierfreund, Max A Birch, Stanford S Biscotti, Bernard J Biser, Mark H	Hyattsville, Md	.5
3DC	Bergen Donald M	4541 Chestnut St., Philadelphia, Pa 920 Riverside Ave., Trenton, N. J	6.
3PY	Bergev H Leon	Lansdale, Pa	1.0
3PY 3WH	Berkeley, Kenneth H	3422 Center St. NW., Washington, D. C.	1.0
3KS	Bernhard, William	2119 Fairmount Ave., Baltimore, Md	1.0
3VL	Bernstein, Abe R	321 Church St., Norfolk, Va	.5
BDN	Bertolet, Benjamin, jr	2112 Columbia Ave., Philadelphia, Pa	.5
3MO 3CC	Bickel, E. Clitton	758 High St., Pottstown, Pa.	1.0
3HW	Bidwell George L.	1945 Everts St. NE. Washington D. C.	.5
2NH	Bierfreund, Max A	Lansdale, Pa.  3422 Center St. NW., Washington, D. C.  2119 Fairmount Ave., Baltimore, Md.  321 Church St., Norfolk, Va.  2112 Columbia Ave., Philadelphia, Pa.  758 High St., Pottstown, Pa.  319 Hillside Ave., Jenkintown, Pa.  1245 Evarts St. NE., Washington, D. C.  Pitman Ave., Pitman, N. J.  45 Washington Ave., Collingswood, N. J.  608 Carpenter St., Philadelphia, Pa.  Middletown, Md.	- 5
3LQ 3FT 3CY	Birch, Stanford S	45 Washington Ave., Collingswood, N. J	.5
3FT	Bisciotti, Bernard J	608 Carpenter St., Philadelphia, Pa	.5
3CY	Biser, Mark H Blackwood, George C	608 Carpenter St., Philadelphia, Pa. Middletown, Md. 5346 Wayne Ave., Philadelphia, Pa. 2106 N. 5th St., Philadelphia, Pa. 1804 Hanover Ave., Richmond, Va. 2506 Maryland Ave., Baltimore, Md. 922 North St., Portsmouth, Va. Portsmouth, Va. (portable station). 1811 Arctic Ave., Atlantic City, N. J. Lehigh Ave. and 8th St., Philadelphia, Pa. Abington, Pa.	.5
3BP	Blackwood, George C	5346 Wayne Ave., Philadelphia, Pa	.5
3ASF 3AAJ	Blackwood, George C. Blair, C. Drewry Blake, John M.	1804 Hanover Ave Richmond Va	.5
3AAT	Blake, John M.	2506 Maryland Ave., Baltimore, Md.	.5
3AAI 3TV	Blanford, Irving Blanford, Irving I. Blum, William Board of Public Education	922 North St., Portsmouth, Va	.5
3AGP 3ASU	Blanford, Irving I	Portsmouth, Va. (portable station)	.5
BASU	Blum, William	1811 Arctic Ave., Atlantic City, N. J	.5
3GN 3EO	Board of Public Education	Lenigh Ave. and 8th St., Philadelphia, Pa	.5
SEO	Bockins, John M., Jr	213 Chaster Ava Glanddan Pa	.5
BFX BAEM	Booz Walter M	237 W. Pine St., Wildwood, N.J.	5
BADA	Bott. James M.	1011 W. Cumberland St., Philadelphia, Pa	.5
BSN	Board of Public Education Bockins, John M., ir. Bonsall, Thomas F Booz, Walter M Bott, James M Bourgeois, Edmund R Bowes Joseph J	Abington, Pa  213 Chester Ave., Glenolden, Pa.  237 W. Pine St., Wildwood, N.J.  1011 W. Cumberland St., Philadelphia, Pa.  901 Central Ave., Ocean City, N.J.  2647 Agate St., Philadelphia, Pa.	.5 .5 .5 1.0
3TL		2647 Agate St., Philadelphia, Pa	.5
3AIX	Bowman, Christian M Bowman, Philip W Bradley, Horace E Bradshaw, R. B Brady, John B Braidwood, Thomas W Brandt, Bruce C Branin, Manlif L Brannan, Julian L Brany, Emil B Brautigam, Harry G	202 E. Montgomery St., Baltimore, Md. 315 V St. N E., Washington, D. C. 239 Chestnut St., Haddonfield, N. J.	.5
$^{ m 3RG}_{ m 3HJ}$	Brodley Horace E	202 E. Montgomery St., Daltimore, Md	.5
3HJ 3SO	Bradshaw, R. B	239 Chestnut St., Haddonfield, N. J.	
3BO	Brady, John B	239 Chestriit St., Haddonield, N. J. Somerset, Md. Anglesea, N. J. 932 Oak Hill Ave., Hagerstown, Md. 4516 Pacific Ave., Wildwood, N. J. 2632 Guilford Ave., Baltimore, Md. 241 Goepp St., Bethlehem, Pa. 5714 American St., Philadelphia, Pa. Hyattsyille, Md.	.5 .5 1.0
OTT9	Braidwood, Thomas W	Anglesea, N. J.	1.0
3AMS 3NZ 3EV	Brandt, Bruce C	932 Oak Hill Ave., Hagerstown, Md	.5
BNZ	Branin, Manlif L	4516 Pacific Ave., Wildwood, N. J.	.5
3EV	Brannan, Julian L	2632 Guillord Ave., Baltimore, Md	1.0
SSS SARD	Brantigam Harry G	5714 American St. Philadelphia Pa	5
BATN	Briscoe, James D.	Hyattsville, Md.	.5
3VE	Brenner, Samuel M	5025 Walnut St., Philadelphia, Pa	.5
3ATN 3VE 3AGM	Breuil, James F	209 Rutgers St., Swarthmore, Pa	.5
3AMI	Brantigam, Harry G Briscoe, James D Brenner, Samuel M Breuil, James F Brineshults, Ralph	Cedarville, N. J.	.5
3ASM 3TP	Britt, Charles J	Ariington, ra	.5
3JW	Brittingham, Otis B. Broadbelt, J. Edward, jr. Brockman, Francis C.	2723 Guilford Ave. Baltimore Md	5
UU 11	Brockman Francis C	3 N. Main St., Nazareth, Pa.	1.0
3JH			
$^{3 m JH}_{ m 3DF}$	Brockway, Ladue M	154 Bickley Ave., Glenside, Pa	.5
3JH 3DF 3ANM 3AHS	Brockway, Ladue M	5714 American St., Philadelphia, Pa.  Hyattsville, Md.  5025 Walnut St., Philadelphia, Pa.  209 Rutgers St., Swarthmore, Pa.  Cedarville, N. J.  Arlington, Pa.  1038 North St., Portsmouth, Va.  2723 Guilford Ave., Baltimore, Md.  3 N. Main St., Nazareth, Pa.  154 Bickley Ave., Glenside, Pa.  222 N. Fulton St., Allentown, Pa.  125 State St., Harrisburg, Pa.  633 10th St. NE., Washington, D. C.	1.0 .5 .5

#### THIRD DISTRICT—Continued.

Call ignal.	Owner of station.	Location of station.	Power
	(SIES)(19)		Kw.
SAST	Brown, William Brubaker, John W Brubaker, John W Brudenell, Norman	3013 Fairmount Ave., Atlantic City, N. J. 911 Indiana Ave., Atlantic City, N. J. 200 W. 16th St., Philadelphia, Pa.	0.
BATA BKE	Brubaker, John W	911 Indiana Ave., Atlantic City, N. J	
KE	Brubaker, John W	200 W. 16th St., Philadelphia, Pa	
AAF	Brudenell, Norman	2123 W. Pacific St., Philadelphia, Pa.	
AGO	Brunhouse, Jacob S	431 W. York Ave., York, Pa	1
OH	Bryan, John D. Bryce, Stanley C. Bryce, Stanley C. Bunting, George M., jr. Burke, Thomas J.	1927 S. Salford St., Philadelphia, Pa.	-
GF	Bryce, Stanley C	1626 N. 13th St., Philadelphia, Pa.	
BK	Bryce, Stanley C	Seaside Park, N. J.	
CP	Bunting, George M., ir	315 E. Broad St., Chester, Pa.	
NW	Burke, Thomas J.	1750 W. Mole St., Philadelphia, Pa	
ANW	Burkhardt, Horace C	1243 West Ave., Ocean City, N. J.	
SM	Burnett, A. Elmo	418 N. 23d St., Richmond, Va	
RX	Burkhardt, Horace C. Burnett, A. Elmo Buskey, Harry L. Butt, Harvey R. Call, J. Richard.	425 Westover Ave., Norfolk, Va	
VB	Butt, Harvey R	1307 Moran Ave., Norfolk, Va	1
UW	Call, J. Richard	114 Walnut St., Haddonfield, N. J.	
UJ	Campbell, James D	214 Wyncote Rd., Jenkintown, Pa.	
CO	Campbell, James S	1700 S. 60th St., Philadelphia, Pa.	
BW	Campbell, John W	1209 N. 25th St., Philadelphia, Pa	
AHA		1015 10th Ave. Moore, Pa	
BX	Carpenter, C. Ellwood, ir.	7417 Sprague St., Philadelphia, Pa.,	
UN	Carpenter, C. Ellwood, ir.	Ocean City, N. J.	
BA	Carpenter, C. Ellwood, jr Carpenter, C. Ellwood, jr Carrington, Roland	911 Indiana Ave., Atlantic City, N. J. 200 W. 18th St., Philadelphia, Pa. 2123 W. Pacific St., Philadelphia, Pa. 431 W. York Ave., York, Pa. 1927 S. Salford St., Philadelphia, Pa. 1626 N. 13th St., Philadelphia, Pa. 1626 N. 13th St., Philadelphia, Pa. 1626 N. 13th St., Philadelphia, Pa. 1750 W. Mole St., Chester, Pa. 1750 W. Mole St., Philadelphia, Pa. 1243 West Ave., Ocean City, N. J. 418 N. 23d St., Richmond, Va. 425 Westover Ave., Norfolk, Va. 1307 Moran Ave., Norfolk, Va. 1307 Moran Ave., Norfolk, Va. 144 Walnut St., Haddonfield, N. J. 214 Wyncote Rd., Jenkintown, Pa. 1700 S. 60th St., Philadelphia, Pa. 1020 N. 25th St., Philadelphia, Pa. 1015 10th Ave., Moore, Pa. 7417 Sprague St., Philadelphia, Pa. 00can City, N. J. 347 Camel St., Baltimore, Md. 26 S. New Jersey Ave., Atlantic City, N. J. 918 Westminster St. NW., Washington, D. C. 230 S. Connecticut Ave., Atlantic City, N. J. Hershey, Pa.	
AAG	Carroll Louis ir	26 S. New Jersey Ave. Atlantic City N. J.	
AB	Carroll Roy C	918 Westminster St. NW. Washington, D. C.	
AND	Carroll, Louis, ir Carroll, Roy C. Casey, Howard Cassady, Park H Chadwich, Herbert E.	230 S. Connecticut Ave. Atlantic City N. I.	
00	Cassady Park H	Hershey, Pa.  110 Walnut St., Jenkintown, Pa.  125 Burk Ave., Wildwood, N. J.  1519 Franklin St., Washington, Del.  Philadelphia, Pa. (portable station).  5213 Germantown Ave., Philadelphia, Pa.  2112 E. Clay St. Richmond Ve.	1
QQ AIW	Chadwich Harbert E	110 Walnut St. Jankintown Pa	
KO		125 Rurk Ava Wildwood N I	1
ANL	Chambers, Ivan F. Channell, John W. Channell, John W. Chappell, Ralph R. Cheftenberg, High School	1519 Franklin St Washington Del	1
ASE	Channell John W	Philadalphia Pa (portable station)	1
FM	Channell John W	5913 Gormantown Ava Philadalphia Pa	,
FM ST	Channell Balph P	2119 F Clay St Dishmond Vo	
SD	Cheltenham High School	2112 E. Clay St., Richmond, Va. Elkins Park, Pa.	
	Charge Page P A	Coorgetown Del	
BAHP	Chesser, Page P. A	2617 O St NW Washington D C	
DE	Cianfroni Theodore	1917 Marria St. Dhiladalphia Da	
BG	Clark, Edwin T. Clark, William R.	Georgetown, Del. 3617 O St. N.W., Washington, D. C. 1217 Morris St., Philadelphia, Pa. 2419 S. Juniper St., Philadelphia, Pa. 38 N. Paxon St., Philadelphia, Pa. 2728 Koesuth St. Baltimore Md.	
DU	Clark, Edwin 1	29 N. Dawer Ct. Philadelphia, Pa	
FQ BWN	Clark, William R Cloman, William E Coblentz, Philip O Cocklin, Foster W Cohan, William W Cohen, Henry Coleman, Walter V Collier, Wilbur H Cook, Charles F Cook, Howell E Cooms, John S	38 N. Paxon St., Philadelphia, Pa	
MIN	Coblenta Philip O	3725 Kossuth St., Baltimore, Md. Middletown, Md. 1630 N. 5th St., Harrisburg, Pa. 611 Lombard St., Philadelphia, Pa. 600 S. 2d St., Philadelphia, Pa. 2245 N. 15th St., Philadelphia, Pa. 820 W. Fayette St., Baltimore, Md.	
AOI	Coolelin Foster W	Middletown, Md	
UR	Cohon William W	611 Lombard St. Dhiladalphia Da	. 1
MP	Cohen Honey	600 C od Ct Philadelphia Pa	
OT	Coleman Wolter V	9045 N 15th Ct Dhiladalphia Da	
CL	Collies William U	2245 N. 15th St., Fhiladelphia, Fa	
AOR	Cools Charles F	Vardley De	
	Cook, Charles F	Yardley, Pa. Seaside House, Atlantic City, N. J.	
CI	Cook, Howell E	Seaside House, Atlantic City, N. J	
ADO	Coombs, John S	Bethesda, Md	
LR	Cooper, William F	Franklin and Marshall Academy, Lancaster, Pa	
WP	Coombs, John S Cooper, William F. Cox, T. Newell. Craigle, Stuart M.	Pikesville, Md. 511 W. Grace St., Richmond, Va.	
AEA	Craigie, Stuart M	511 W. Grace St., Richmond, Va	
PT	Creager, E. Clark	Wynnewood, Pa.	
BE	Creager, E. Clark Critchlow, P. Davey Crowley, Robert H Cullin, Ernest N	2632 N. 17th St., Philadelphia, Pa	
QJ	Crowley, Robert H	23 N. Dewey St., Philadelphia, Pa. 1762 Willard St. NW., Washington, D. C.	
ARE	Cullin, Ernest N	1762 Willard St. N.W., Washington, D. C	
ANK	Cunningham, G. Blair	1419 Linden St., Allentown, Pa	
NC	Dalling, Howard Damon, Lester R	1702 Willard St. N.W., Washington, D. C. 1419 Linden St., Allentown, Pa. 2942 High St., Camden, N. J. 2517 N. 9th St., Philadelphia, Pa. 1 Bala Ave, Bala, Pa. 129 S. Pennsylvania Ave., Atlantic City, N. J. 3812 8th St. N.W., Washington, D. C. Burlington, N. J.	
ASD	Damon, Lester R	2517 N. 9th St., Philadelphia, Pa	
FB	Darby, George B., Jr	1 Bala Ave., Bala, Pa	
WI	Darnell, Albert H., jr	129 S. Pennsylvania Ave., Atlantic City, N. J	
FA AOE	Darby, George B., jr Darnell, Albert H., jr Davis, Edwin L	3812 8th St. NW., Washington, D. C	
AOE	Davis, Lewis V	Burlington, N. J.	
WL	Davis, Raymond	1422 Perry Pl. NW., Washington, D. C	1
UG AHT	Davis, Lewis V. Davis, Raymond. Dearden, Rowland R., 3d. Deavers, Wayne R. Deichmann, George L., jr. Daichmiller, Alvin	11th St. and 69th Ave., Philadelphia, Pa	
AHT	Deavers, Wayne R	1815-A W. Main St., Richmond, Va	
QU	Deichmann, George L., jr	Park Heights Ave., Baltimore, Md	
FN	Deichmiller, Alvin	1323 S. Carey St., Baltimore, Md	
FF LP	Deichmiller, Alvin Dempster, Warren J. Densham, Harry W. Densten, E. Craig.	3812 8th St. NW., Washington, D. C. Burlington, N. J. 1422 Perry Pl. NW., Washington, D. C. 11th St. and 69th Ave., Philadelphia, Pa. 1815-A W. Main St., Richmond, Va. Park Heights Ave., Baltimore, Md. 1323 S. Carey St., Baltimore, Md. 118 Cleveland Ave., Norwood, Pa. Collingswood, N. J.	
BLP	Densham, Harry W	Collingswood, N. J. Penns Grove, N. J.	
FR	Densten, E. Craig		1
BQB	Derbyshire, Agnew W Derr, Francis S	47 Clapier St., Germantown, Pa	
BHY	Derr, Francis S	36 Franklin St., Somerville, N. J	
	Daville Tohn T	5611 Angora Ave. Philadelphia Pa	
BFY	Deviin, John L		
BFY BJE BAEW	Devlin, John L. Dickerson, E. Stuart, jr. Dicks, Grover C. Dietz, Fred	47 Clapier St., Germantown, Pa. 36 Franklin St., Somerville, N. J. 5611 Angora Ave., Philadelphia, Pa. 121 W. Cedar Ave., Merchantville, N. J. Hagerstown, Md. 2136 N. Orleans St., Philadelphia, Pa.	-

# THIRD DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power
			Kw.
3RD	Dimling, Rudolph G. A Dingee, Alex. L. M Dolbow, George W	Bancroft Pk., Baltimore, Md	0. 8
3IC 3AKK	Dingee, Alex. L. M	Paoli, Pa	1.0
3KH		507 S Oth St Philadelphia Pa	.5
3PG	Dorsey, Arthur	3601 Greenmount Ave., Baltimore, Md	.5
3GJ	Doughty, William R	218 E. Park Ave., Haddonfield, N. J.	.5
3MA	Dorsey, Arthur.  Doughty, William R  Downes, Marlboro K  Doyle, John E  Dreleyer, Delibor	1002 E. Broad St., Richmond, Va	.5
3LN	Doyle, John E	1931 N. Uber St., Philadelphia, Pa	1.0
$^{ m 3BB}_{ m 3DL}$	Drais William T	623 N. Pann St. Allentown Pa	.5
3ARH	Drexel Radio Club	Drexel Institute, Philadelphia, Pa.	.5
3MD	Dralovec, Dalibor Dreis, William J. Drexel Radio Club Dulany, Franklin R Dumbar, Lewis T	5 W. Walnut Ave., Merchantville, N. J	.5
3LT	Dunbar, Lewis T	R. F. D. No. 1, Bristol, Pa.	.5 .5 .5
3AHO	Dunn, John M  Durham, Edmund B  Durham, Wilson N  Duvall, Edward B.	30 Union St., Salem, N. J	.0
3UM 3VA 3AK	Durham, Wilson N	4618 Spruce St., Philadelphia, Pa	
3AK	Duvall, Edward B	1027 Madison Ave., Baltimore, Md	.5
3SC	Ecton, Albert F. Edson, Howard D. Edwards, Charles.	822½ 7th St. SW., Washington, D. C	.5
3TJ	Edson, Howard D	1505 N. Gratz St., Philadelphia, Pa	.5
3FV 3BN 3VI	Egan, John E	1332 N. Merrine St., Philadelphia, Pa	.5
3VI	Egan, John E Egner, John Lisele, Edward, jr Eisenhard, Stanley E Eisenhauer, Harry D Eider, Lucius W Eller, George O Ellis, Edmund K Ellis, J. Elton Ellis, J. Elton Ellis, Harry S Endress, John N Enslin, Louis R Ensor, John S Eyster, James A	Bancroft Pk., Baltimore, Md. Paoli, Pa. 215 W. 22d St., Wilmington, Del. 507 S. 9th St., Philadelphia, Pa. 3601 Greenmount Ave., Baltimore, Md. 218 E. Park Ave., Haddonfield, N. J. 1002 E. Broad St., Richmond, Va. 1931 N. Uber St., Philadelphia, Pa. 3535 N. Water St., Philadelphia, Pa. 623 N. Penn St., Allentown, Pa. Drexel Institute, Philadelphia, Pa. 5 W. Walnut Ave., Merchantville, N. J. R. F. D. No. I, Bristol, Pa. 30 Union St., Salem, N. J. 85 South St., Somerville, N. J. 4618 Spruce St., Philadelphia, Pa. 1027 Madison Ave., Baltimore, Md. 8222 7th St. SW., Washington, D. C. 1505 N. Gratz St., Philadelphia, Pa. 3345 Ella St., Philadelphia, Pa. 332 N. Merrine St., Philadelphia, Pa. 3126 N. 7th St., Philadelphia, Pa. 3116 Glenwood St., Philadelphia, Pa. 3116 Glenwood St., Philadelphia, Pa. 3116 Glenwood St., Philadelphia, Pa. 3117 Ith St., Reading, Pa. 407 Wayne Ave., Wayne, Pa. 317 7th St. SE., Washington, D. C. Bethesda, Md.	.5
3IH	Eisele, Edward, jr	1116 Glenwood St., Philadelphia, Pa	.5
3AKI	Eisenhard, Stanley E	1512 Gordon St., Allentown, Pa	1.0
3AKT 3KT	Elsennauer, Harry D	744 N. 11th St., Reading, Pa	.5
3BQ	Eller, George O.	717 7th St. SE., Washington, D. C.	.5
3ADL 3LU	Ellis, Edmund K	Bethesda, Md	.5
3LU 3CR	Ellis, J. Elton	0004 N 1541 C4 DL11-1-1-1- D-	4 0
3AW	Ely Harry S	Overlea Md	1.0
3ADR	Endress, John N	2430 Jefferson St., Harrisburg, Pa	1.0
3AKE 3AME	Enslin, Louis R	1731 N. 21st St., Philadelphia, Pa	.5
3DR	Ensor, John S	Mt. Washington, Md.	1.0
3ATR	Eyster, James A	Overlea, Md. 2430 Jefferson St., Harrisburg, Pa. 1731 N. 21st St., Philadelphia, Pa. Mt. Washington, Md. 317 Washington Ave., Haddonfield, N. J. 1630 Bolton St., Baltimore, Md.	.5
3HT	Falconer, Norwood B. Falkenberg, August E. Faries, Walter R. Faulstich, Chester W Feust, Elmer J. Feiler, Frederick W Fell, David B Fenimore, Robert S. Fenton, Edward T Ferris, Malcolm. Field, Harry P Finger, Russell W Fink Louis, 3d.	1630 Bolton St., Baltimore, Md. 512 Franklin Ter., Baltimore, Md. Llankerris Rd., Bala, Pa. 1535 Clifton St., Baltimore, Md. 728 Hamilton St., Allentown, Pa. 269 W. Thayer St., Philadelphia, Pa. 19 Park Ave., Ogontz, Pa. Windsor Mill Rd., Baltimore, Md. Park Heights Ave., Baltimore, Md. 3409 Baring St., Philadelphia, Pa. 219 39th St., Norlolk, Va. 448 Royden St., Camden, N. J. Laurel Springs, N. J. 136 York Ave., West Cape May, N. J. 3520 Disston St., Philadelphia, Pa. 1313 E. Commerce St., Bridgeton, N. J. 1358 South Carolina Ave. SE., Washington, D. C. 4535 N. 17th St., Philadelphia, Pa.	1.0
3LM	Faries, Walter R	Llankerris Rd., Bala, Pa.	.5 .5
$_{ m 3AAU}$	Faust Elmer I	798 Hamilton St. Allentown Pa	.0
3BI 3TR	Feiler, Frederick W	269 W. Thayer St., Philadelphia, Pa.	.5
3TR	Fell, David B	19 Park Ave., Ogontz, Pa	.5 .5 .5 .5
3JU ·	Fenimore, Robert S	Windsor Mill Rd., Baltimore, Md	.5
3CH	Ferris, Malcolm	3409 Baring St., Philadelphia, Pa	.5
3IX	Field, Harry P.	219 39th St., Norfolk, Va.	.5
3IX 3CQ	Finger, Russell W	448 Royden St., Camden, N. J	.5
30P 3IW	Fink, Louis, 3d	Laurel Springs, N. J.	.5
3DZ	Fisher, Roy S	3520 Disston St., Philadelphia, Pa	.5 .5 1.0 1.0
3HO	Fithian, Wm. S., jr	313 E. Commerce St., Bridgeton, N. J.	1.0
3BH	Fink, Louis, 3d. Fisher, John T. Fisher, Roy S. Fithian, Wm. S., jr. Flather, Bryan S. Fliegel, William M.	1358 South Carolina Ave. SE., Washington, D. C	.5 .5 1.0
3AFH	Fliegel, William M	Media, Pa	1.0
3VX 3ARM	Flumerfelt, E Clinton	Nedia, Pa. Polkville, N. J. 103 Summit Ave., Jenkintown, Pa. Mineral, Va.	.5
3AMA	Fow, Oscar A	103 Summit Ave., Jenkintown, Pa	.5
3KC	Flounders, Newton. Flumerfelt, E Clinton Fow, Oscar A Flynn, Thomas F. Frank H. Stewart Electric	Mineral, Va. 37–39 N. 7th St., Philadelphia, Pa.	.5
3QY	Co.	37–39 N. 7th St., Philadelphia, Pa	.5
3JN	Frankenfield, Albert L Franklin and Marshall Academy, See Cooper, Wil-	236 N. 53d St., Philadelphia, Pa	.5
3VS	liam F. French, Edward R., jr. Fricke, Henry W. L. Frye, Marcus, jr. Frulton, Harold E. Gains, George A. Gardner, James A. Gardner, William L. Gaskill, William W. Gasty, John P. and Lewis R. Gause, Harry W. Geiglein, Henry S. George, John R.	231 9th St. SE., Washington, D. C 801 Aisquith St., Baltimore, Md 616 Elmer St., Vineland, N. J 1643 Turner St., Allentown, Pa 804 W. Saratoga St., Baltimore, Md. 14 1st Are., West Catasauqua, Pa 1612 N. 4th St., Harrisburg, Pa 226 E. Washington Ave., Merchantville, N. J. 931 North St., Portsmouth, Va 29 Morris Ave., Morristown, N. J. 221 5th St. SE., Washington, D. C 2583 W. Fayette St., Baltimore, Md 222 W. Wyoming Ave., Philadelphia, Pa	.5
3EL	Fricke, Henry W. L	801 Aisquith St., Baltimore, Md	1.0
3NB	Frye, Marcus, jr	616 Elmer St., Vineland, N. J.	1.0
3QP 3AMG	Gains George A	804 W. Saratoga St. Baltimore, Md	.5
3JV	Gardner, James A.	14 1st Ave., West Catasaugua. Pa.	.5
3JV 3MT	Gardner, William L	1612 N. 4th St., Harrisburg, Pa	.5
3NF	Gaskill, William W	226 E. Washington Ave., Merchantville, N. J	.5
3AY 3WN	Gaty John P and Lawid P	20 Morris Ave Morristown N T	1.0
3CU 3LX	Gause, Harry W.	221 5th St. SE., Washington, D. C.	.5
			1.0

# THIRD DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power.
		7	Kw.
3ATH	George, John R	5150 Knox St., Philadelphia, Pa	0.
3AV 3SX	Gerns, William H	1663 Wisconsin Ave. NW., Washington, D. C	
3AOP	George, John R. Gerns, William H. Gieske, Alfred W., jr Gilbert, Clifford W. Gilbert, Harry P., jr Giles, Larkin. Gillen, John J. Gilling, Goo, J. jr	Catonsville, Md	1.
3UA	Gilbert, Harry P., jr	809 Emmet St., Portsmouth, Va	
3AHI	Giles, Larkin	1307 Clayton St., Wilmington, Del	
3ARI 3AZ	Gillen, John J	2134 Christian St., Philadelphia, Pa	
3AR	Gilpin, Levering H	2702 N. Calvert St. Baltimore, Md	1.
311	Gillien, John J. Gillingham, Geo. L., jr. Gillpin, Levering H. Gleisner, Francis W. Glenside Wireless Association. See Zabel, Leroy E. Gluck, Earl. Godfrey, Clarence M. Godfrey, Earl. Godfrey, James M. Goebel, Engene S. Goldstein, William	Catonsville, and 1620 N. 17th St., Philadelphia, Pa. 809 Emmet St., Portsmouth, Va. 1307 Clayton St., Wilmington, Del 2134 Christian St., Philadelphia, Pa. 4508 Richmond St., Bridesburg, Pa. 2702 N. Calvert St., Baltimore, Md. 134 Folsom Ave., Atlantic City, N. J.	
3AIF	Gluck, Earl	Berwick Ave., Hamilton, Md	
3LO	Godfrey, Clarence M	915 14th St. SE., Washington, D. C	:
3IF 3NK	Godfrey, Earl	145 St. Charles Pl., Atlantic City, N. J.	
3FG	Godfrey, James M	5037 Springfield Ave. Philadelphia Pa	
3WX	Goebel, Eugene S	1601 Columbia Ave., Philadelphia, Pa	:
3AKM	Goldstein, William	642 N. Clinton Ave., Trenton, N. J.	:
3KB 3JZ	Goodling David H	518 Rhode Island Ave. N.E., Washington, D. C	
3WO	Goodwin, Harold F	4941 N. 5th St., Philadelphia, Pa	:
3UY	Gordon, Horace W	5115 Spruce St., Philadelphia, Pa	
3OL	Grant, Arthur F	2112 Venango St., Philadelphia, Pa	1.
3RO	Goebel, Eugene S. Goldstein, William. Goodall, Albert B. Goodling, David H. Goodwin, Harold F. Gordon, Horace W. Grant, Arthur F. Gravely, Willis T. Gray, Gerald Gray, Karl F. Green, Anthony J.	Berwick Ave., Hamilton, Md. 915 14th St. SE., Washington, D. C. 145 St. Charles Pl., Atlantic City, N. J. 2150 N. Corlies St., Philadelphia, Pa. 5037 Springfield Ave., Philadelphia, Pa. 1601 Columbia Ave., Philadelphia, Pa. 1601 Columbia Ave., Philadelphia, Pa. 1612 N. Clinton Ave., Trenton, N. J. 518 Rhode Island Ave. NE., Washington, D. C. 330 N. Madison St., Allentown, Pa. 4941 N. 5th St., Philadelphia, Pa. 5115 Spruce St., Philadelphia, Pa. 2112 Venango St., Philadelphia, Pa. 8212 Venango St., Philadelphia, Pa. 834 Main St., Danville, Va. 92 Main St., Newton, N. J. 113 Northampton St., Easton, Pa. 1112 S. Lakewood Ave., Baltimore, Md. 610 Washington St., Cape May, N. J.	1.
3KM 3EX	Grav. Karl F	113 Northampton St., Easton, Pa	:
3KF	Green, Anthony J	1112 S. Lakewood Ave., Baltimore, Md	
3HC	Green, Daniel J	1112 S. Lakewood Ave., Baltimore, Md. 610 Washington St., Cape May, N. J. 1626 W. Ontario St., Philadelphia, Pa. Main St. and Franklin Ave., Norristown, Pa. 114 W. 13th St., Wilmington, Del. 3104 R. St. NW., Washington, D. C. 1415 Louden St., Philadelphia, Pa. 32 Walnut St., Salem, N. J. 410 Buttonwood St., Philadelphia, Pa. 20 Tenby Rd., Llanerch, Pa. 3429 Frederick Ave., Baltimore, Md. 2011 Atlantic Ave., Atlantic City, N. J. 118 E. Maple Ave., Collingswood, N. J. 233 Lancaster Ave., Wayne, Pa. 86 V St. NW., Washington, D. C. Clarke's Lane, Arlington, Md. 105 E. Crocus Rd., Wildwood Crest, N. J. 640 Lake St., Lancaster, Pa.	
3AKH	Greenfield, Robert H	1626 W. Ontario St., Philadelphia, Pa.	
3AGT 3ANF	Gresh, Harold. Grier, George M Griffith, Dorsey J. Griffith, Elmer G.	114 W 13th St. Wilmington Del	1.
3VK	Griffith, Dorsey J	3104 R St. NW., Washington, D. C.	
3PZ	Griffith, Elmer G	1415 Louden St., Philadelphia, Pa	
3MK 3AL	Griscom, Samuel B. Guenzel, Herman A.	32 Walnut St., Salem, N. J.	
3ATG	Gummere John F	20 Tenby Rd. Llanerch, Pa	:
3HD	Gummere, John F	3429 Frederick Ave., Baltimore, Md	
3RQ	Haas, Jerome S	2011 Atlantic Ave., Atlantic City, N. J.	
3QF		118 E. Maple Ave., Merchantville, N. J	-
3NM 3AIG	Hale, Charles W	233 Lancaster Ave., Wayne, Pa	
30D	Haldeman, George E. Hale, Charles W. Hall, Leroy. Hall, Robert S.	86 V St. NW., Washington, D. C	
3QV	Hall, Robert S	Clarke's Lane, Arlington, Md	
3PR 3ASW	Hamburg, Russell Hammel, William C. Hammill, McClintock, jr	640 Lake St., Lancaster, Pa	:
3RV	Hammill, McClintock, jr	1 1022 Opt dec St., I imadelpina, I a	
3JT	Hampson, George M	731 Newington Ave., Baltimore, Md	
3JY 3HR	Hann, Charles B	206 E. Preston St., Baltimore, Md	
3ADF	Harrell, Leonard B	900 Holladay St., Portsmouth, Va	
3PH	Harris, Edwin R	61 N. 61st St., Philadelphia, Pa	1.
3PJ 3LY	Harris, S. Sylvan	900 Holladay St., Portsmouth, Va. 61 N. 61st St., Philadelphia, Pa. 3413 Judson St., Philadelphia, Pa. 23d and Howard Sts., Chester, Pa.	1.
3QW	Harris, William J	Mt. Ranier Md.	
3AMD	Hart, Robert M.	Mt. Ranier, Md. 208 St. Martins Rd., Baltimore, Md. 635 E St. SE., Washington, D. C.	- /
3IS	Hartley, Milton E	635 E St. SE., Washington, D. C	
3VJ 3ART	Harvey, Edmund H	Secane, Pa	
3FS	Harwood Theodore O	1396 N. Broadway Raltimore Md	
3ID	Hasenfus, Joseph F.	2328 N. Fairhill St., Philadelphia, Pa.	
3AED	Hanni, Charles B Harmer, Robert H Harrell, Leonard B Harris, Edwin R Harris, S. Sylvan. Harris, William J. Harsch, Lawrence P Hart, Robert M. Hartley, Milton E. Harvey, Edmund H Harvey, Walter E. Harwey, Walter E Harwend, Theodore O. Hasenfus, Joseph F. Haslett, Harold D. Hastings, Harris.	oso E. St., Washington, D. C. Secane, Pa	
3ADT 3ASR	Hastings, Harris	905 B St. NE., Washington, D. C.	
3LT	Hauf, Joseph C., jr Heck, Lewis O	4310 Maine Ave., Baltimore, Md	
3NX 3ATD	Heintzelman, Walter	312 N. 14th St., Allentown, Pa	
3ATD	Heist, Le Roy E	2415 N. Capitol St., Washington, D. C	1
3ANO 3AGE	Heintzelman, Walter Heist, Le Roy E Henneberger, Hubert. Hemphill, William J., jr Hernandez, Roger B Hermanns, A Walter Herndon, Landon C Hettinger Alfred C	235 W Wyoming Ave Philadalphia Pa	1
3LM	Hernandez, Roger B.	1326 Chew St., Allentown, Pa	
3DW 3SZ	Hermanns, A. Walter	Philadelphia, Pa. (portable station)	_ 3
3SZ	Herndon, Landon C	409 Middle St., Portsmouth, Va	
3GP 3EM	Hettinger, Alfred C. Heyser, Wilber A. Hickman, Paul W. Hicks, Thomas R.	4310 Maine Ave., Baltimore, Md. 1614 Webster St., Baltimore, Md 312 N. 14th St., Allentown, Pa. 2415 N. Capitol St., Washington, D. C. 15 Cannon Ave., Hagerstown, Md. 235 W. Wyoming Ave., Philadelphia, Pa. 1326 Chew St., Allentown, Pa. Philadelphia, Pa. (portable station). 409 Middle St., Portsmouth, Va. 128 S. Church St., Allentown, Pa. 337A Marshall St., Norristown, Pa. 1917 Green St., Philadelphia, Pa. 425 Miner St., West Chester, Pa.	
3HM	Hickman, Paul W	1917 Green St., Philadelphia, Pa.	
3AAX	I make a make the same	LOS SEL CHARLES OF THE TOTAL TO	1

# THIRD DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power
			Kw.
3PV	Hiestand, Benjamin	Marietta, Pa 1615 S. 5th St., Philadelphia, Pa Haverford, Pa	
300 3ND	Hindin, Louis N	1615 S. 5th St., Philadelphia, Pa	
BMF	Hiestand, Benjamin. Hindin, Louis N. Hirst, Arthur C. Hitchner, Clyde G. Hoagland, Donald. Hodges, R. E. L. Hodges, Thomas L. Hoff, J. Marshall. Hofmann, George A. Hogan, Harold O. Holloway, J. Q. A. Hollyday, H. Robins. Holstein, Hubert.	405 8th St. Vineland N. I	
$_{\rm JX}$	Hoagland, Donald	43 Lake St., Bridgeton, N. J.	0.
RI	Hodges, R. E. L	2648 Maryland Ave., Baltimore, Md	17 18
ATF	Hodges, Thomas L	3408 Duvall Ave., Baltimore, Md	
BRU	Hoff, J. Marshall	4909 Knox St., Philadelphia, Pa	
RKK	Homann, George A	3d and Charakaa Sta, South Pathlaham, Pa	
$_{ m AMP}^{ m AQ}$	Holloway, J. Q. A	Mt. Washington, Md	
K7	Hollyday, H. Robins	120 E. Dover St., Easton, Md	
AEN	Holstein, Hubert	1932 Page St., Philadelphia, Pa	
PS	Holstein, Hubert. Holt, Clarence J. Hopkins, James R. Horner, George E. Houck, Harry W. Howard, H. Trumbull Howell, S. Van S. Howlett Joseph T. F.	136 D St. SE., Washington, D. C.	
AAK AET	Hopkins, James R	3214 West Ave., Newport News, Va	
AHK	Houck Harry W	New Cumberland Pa	1.
PX	Howard, H. Trumbull	221 Park Ave., Swarthmore, Pa	
PX UC	Howell, S. Van S	Clinton, N. J.	
UF	Howlett, Joseph T. F	2303 N. Broad St., Philadelphia, Pa.	1.0
JP	Howlett, Joseph T. F	2303 N. Broad St., Philadelphia, Pa. (portable station).	1.0
UQ AFO	Howell, S. Van S. Howlett, Joseph T. F. Howlett, Joseph T. F. Howlett, Joseph T. F. Huddy, James J., jr Hunt, Harry L. Hunter, H. Clifford. Huvette Paul B.	Hartetta, Tea. Haverford, Pa. Haverford, Pa. Hos th, Vineland, N. J. Haverford, Pa. Hos th, Vineland, N. J. Haverford, Pa. Hos th, Vineland, N. J. Haverford, Pa. Hos the Maryland Ave., Baltimore, Md. Hos the Maryland Ave., Baltimore, Md. Hos the Maryland Ave., Baltimore, Md. Hos the Maryland Ave., Baltimore, Md. Hos the Maryland Ave., Baltimore, Md. Hos the Maryland Hos the Maryland, Pa. Hos the Maryland Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Maryland, Pa. Hos the Marylan	1.0
IRN	Hunt, Harry L	1906 Wolf St., Philadeiphia, Pa. 1006 Wilksebarre St., Easton, Pa. 226 E. Lancaster Ave., Wayne, Pa. 4601 Wayne Ave., Philadelphia, Pa. Mt. Tabor, N. J 1608 Linden Ave., Baltimore, Md. 117 N. 6th St., Philadelphia, Pa. Bridgeport, N. J. 517 Linden St., Allentown, Pa. 1833 Jefferson Pl. NW., Washington, D. C. Ouiney. Pa.	
ARP	Hunter, H. Clifford	226 E. Lancaster Ave., Wayne, Pa	
ARP	Huyette, Paul B'	4601 Wayne Ave., Philadelphia, Pa	
WF	Huyler, Rollin M	Mt. Tabor, N. J.	100
LB	Iddings, Frederick T	1608 Linden Ave., Baltimore, Md	100
CJ ADI	Hunter, H. Clifford. Huyette, Paul B. Huyler, Rollin M. Iddings, Frederick T Imfeld, Fred, Ir. Jacoby, Arthur C. Jewett, R. W. Dickinson. Jodry, Ray S. Jones, John W. Jones, LaFrantz. Jones, Winters.	Bridgeport N I	
OV	Jacoby, Arthur C.	517 Linden St., Allentown, Pa	
Ú	Jewett, R. W. Dickinson	1833 Jefferson Pl. NW., Washington, D. C	1 3 5 6
MZ	Jodry, Ray S	Quincy, Pa	1.0
OG NP	Jones, John W	328 Cooper St., Camden, N. J.	
NP C	Jones, Lafrantz	728 N. Monroe St. Poltimore Md	100
LC	Jones, Minters. Jordan, Pendleton A., jr. Judson, Elbert B. Keim, Jonathan D. Keller, John H. Keller, Kenneth W. Keller, Paul A. Kellert, Charles.	1833 Jefferson Pl. NW., Washington, D. C. Quincy, Pa. 328 Cooper St., Camden, N. J. 923 French St., Wilmington, Del. 728 N. Monroe St., Baltimore, Md. 339 Main St., Suffolk, Va. 111 13th St. SE., Washington, D. C. 81 Keim St., Pottstown, Pa. 2631 N. 6th St., Harrisburg, Pa. 159 Harrison Ave., Glenside, Pa. 13th St. and Lehigh Ave., Phila, Pa 1208 St. Matthew St., Baltimore, Md. 1042 S. Paxon St., Philadelphia, Pa. 28 S. Market St., Frederick, Md. 2052 E. Fletcher St., Philadelphia, Pa. Philadelphia, Pa. (portable station).	
ASK TB	Judson, Elbert B	111 13th St. SE., Washington, D. C.	1.
IE	Keim, Jonathan D	81 Keim St., Pottstown, Pa	
AHD	Keller, John H	2631 N. 6th St., Harrisburg, Pa.	
VZ VW	Keller, Kenneth W	159 Harrison Ave., Glenside, Pa	10 100
V VV	Keller, Paul A	13th St. and Lenigh Ave., Filla., Fa	1
RG	Kelley Ray F	1042 S. Paxon St., Philadelphia, Pa	
В	Kennedy, Ignatius L	28 S. Market St., Frederick, Md.	
OB EP	Kennedy, Joseph H	2052 E. Fletcher St., Philadelphia, Pa	1.
OK	Kenyon, Walter R	Philadelphia, Pa. (portable station)	1.
H	Kenyon, Walter R	1838 Columbia Ave., Philadelphia, Pa	1.
AOL TT	Kindt Charles F ir	201 Washington Lane Jenkintown Pa	7 (3)
IM	King, Albert	209 St. Mary St., Burlington, N. J.	
SV	King, Charles E	Calvert Court Apts., Baltimore, Md	ili n.
RP RH	Kellert, Charles Kellert, Charles Kelley, Ray F Kennedy, Jenatius L Kennedy, Joseph H Kenyon, Walter R Kenyon, Walter R Kienast, Joseph Kindt, Charles F, jr King, Albert King, Charles E Kirby, Elmer S Kline, H, N Gay Klock, Victor J Knight, G. Webber, jr Knoll, Lloyd M Knoll, Lloyd M	28 S. Market St., Frederick, Md. 2052 E. Fletcher St., Philadelphia, Pa. Philadelphia, Pa. (portable station). 1838 Columbia Ave., Philadelphia, Pa. Columbus Rd., Burlington, N. J. 301 Washington Lane, Jenkintown, Pa. 209 St. Mary St., Burlington, N. J. Calvert Court Apts., Baltimore, Md. 5300 Glemmore Ave., Philadelphia, Pa. 17 E. 12th St., Ocean City, N. J. 707 N. Seventh St., Camden, N. J. 1545 Walnut St., Harrisburg, Pa. 260 Chestnut St., Philadelphia, Pa. 240 Greenwich St., Reading, Pa. 136 Lismore Ave., Glenside, Pa. 1100 W. State St., Trenton, N. J. 2908 West Ave., Newport News, Va. Kensington, Md. 451 Lincoln Ave., Pottstown, Pa. 1029 Belmont Ave., West Philadelphia, Pa. 4422 N. Gratz St., Philadelphia, Pa. 1717 Ingersoll St., Philadelphia, Pa. 1717 Ingersoll St., Philadelphia, Pa. 1623 Elmer St., Vineland, N. J. 1131 Gorsuch Ave., Baltimore, Md. 4016 Edmonson Ave., Baltimore, Md. 4016 Edmonson Ave., Baltimore, Md. 4017 Sth St., Philadelphia, Pa. 1938 Lemmon St., Reading, Pa. 1938 Lemmon St., Reading, Pa. 1938 Lemmon St., Baltimore, Md. 3607 13th St., N. W., Washington, D. C. 1240 N. Broad St., Philadelphia, Pa. 1931 N. 23d St., Philadelphia, Pa.	
RH	Kline, H. N. Gay	17 E. 12th St., Ocean City, N. J.	
AAO KX	Knight G Wahher in	1545 Walnut St. Harrishurg Pa	1.
IQ.	Knoll, Lloyd M	3260 Chestnut St., Philadelphia, Pa	1.
IQ AEH	Knoll, Lloyd M	240 Greenwich St., Reading, Pa	
31,	Knoppel, Herman L	136 Lismore Ave., Glenside, Pa	1
FJ	Knowles, Edward P	1100 W. State St., Trenton, N. J.	
FJ TY EI	Krone, Julian E	Kensington Md	1.
SQ	Kunn Clarence I.	451 Lincoln Ave Pottstown Pa	1
CF	Laager, Creston F	1029 Belmont Ave., West Philadelphia, Pa	
CF GV OS	Laber, Joseph M	2422 N. Gratz St., Philadelphia, Pa	1 - 1
os	Lafferty, Francis A	1717 Ingersoll St., Philadelphia, Pa	
VD.	Lamb, Franklin	1121 Corsuch Ave. Beltimore Md	
UB ME	Landin Charles R	4016 Edmonson Ave. Baltimore, Md	1
TC	Knoll, Lloyd M. Knoppel, Herman L. Knowles, Edward P. Krone, Julian E. Kumler, Kelvin C. Kupp, Clarence L. Laager, Creston F. Laber, Joseph M. Lafferty, Francis A. Lamb, Franklin. Lamb, Franklin. Lamdin, Charles R. Landis, Harry. Landis, Harry. Landis, Harry. Lamds, Harold O. Lange, J. Robert. Lamsford, Willis R. Lasalle College.	2461 N. 28th St., Philadelphia, Pa.	
QG	Landis, Harold O	341 N. Front St., Reading, Pa	1
QG CW AAB	Lange, J. Robert	1938 Lemmon St., Baltimore, Md	
AAB	Lamsford, Willis R	3607 13th St., N. W., Washington, D. C.	112
EB	Lasalle College	1240 N. Broad St., Philadelphia, Pa.	1.
BADE	LaSalle College Layton, Howard H. Lazarus, Sanford S. Legg, Albert A. Lehmberg, Henry	576 Madison Ave., York, Pa	1.0
BAHE	Legg, Albert A	1931 N. 23d St., Philadelphia, Pa.	1

# THIRD DISTRICT—Continued. ALPHABETICALLY BY OWNERS OF STATIONS—Continued;

Call signal.	Owner of station.	Location of station.	Power.
Bis.			Kw.
3AHW	Leigh, Walter S	Clinton, N. J.	0.5
3OA 3ADI	Lentz, Arthur F	18 Fairview St., West Catasauqua, Pa	. 5
3ADI	Leigh, Walter S. Lentz, Arthur F. Leopold, William Lesky, William Leslie, Malcolm C.	Clinton, N. J.  18 Fairview St., West Catasauqua, Pa.  2110 N. 4th St., Philadelphia, Pa.  2800 Snyder Ave., Philadelphia, Pa.  749 Asbury Ave., Ocean City, N. J.  Abington, Pa.  44 S. Bond St., Baltimore, Md.  243 E. Pearl St., Burlington, N. J.  658 Linden Ave. Vork, Pa.	.5
3AAE 3TW	Lesky, William	749 Ashury Ave. Ocean City N. I.	. 0
3QC	Lever, Haseltine S. Levin, Davis. Levy, Lewis. Lewis, Ellis. Lewis, Iohn R	Abington, Pa	.5
3LA	Levin, Davis	44 S. Bond St., Baltimore, Md	.5
30H	Levy, Lewis	243 E. Pearl St., Burlington, N. J	1.0
3RB	Lewis, Ellis		
3AAL 3ASP	Lewis, John B	4014 Panauret Ave. Baltimore Md	.5
3ASV	Lewis, Joseph A	201 Massachusetts Ave. Atlantic City. N. J.	.5
3AKN	Lewis, John B Lewis, John C., jr. Lewis, Joseph A. Lewis, Max J.	222 Jackson St., Trenton, N. J.	.5
3AEK	Lewis, Samuel W	121-B North Mass. Ave., Atlantic City, N. J	. 5
3AIN	Liddell Harry M	224 W. Poplar Ave., Wildwood, N. J	.5
3UE 3AMO	Lindauer, Herman E. Linthicum, Robert E. Lippincott, Bertram	3409 Pleamont Ave., Baltimore, Md	.5
3AFN	Lippincott Bertram	1712 Spruce St. Philadelphia Pa	.0
3AOS	Lister, Robert W	102 Overbrook Ave., Trenton, N. J.	.5
3AFK	Lohr, Allen W	2122 Flagler Pl., NW., Washington, D. C	.5
3QE 3RE	Lister, Robert W. Lohr, Allen W. Long, Perry H. Longaker, Abram. Longfellow, Charles F., jr. Longheim, William S.	5108 Whitney Ave., Philadelphia, Pa. 4014 Penaurst Ave., Baltimore, Md. 201 Massachusetts Ave., Atlantic City, N. J. 222 Jackson St., Trenton, N. J. 2121-B North Mass. Ave., Atlantic City, N. J. 224 W. Poplar Ave., Wildwood, N. J. 3409 Piedmont Ave., Baltimore, Md. 2013 Benning Rd., NE., Washington, D. C. 1712 Spruce St., Philadelphia, Pa. 102 Overbrook Ave., Trenton, N. J. 2122 Flagler Pl., NW., Washington, D. C. 133 Runnymede Ave., Wayne, Pa. 216 Zeraldo St., Philadelphia, Pa. 2088 R St., NW., Washington, D. C. 2014 Jenkintown, Pa.	555555555555555555555555555555555555555
	Longaker, Abram	216 Zeraido St., Philadelphia, Pa	. 5
3AAD 3DU	Loughbeim William S	Jenkintown, Pa.	. 5
3UX	Loughlin, John K	2215 Hunting Park Ave., Philadelphia, Pa.	. 5
3DI	Lowell, Percival D	Jenkintown, Pa. 2215 Hunting Park Ave., Philadelphia, Pa. 2838 27th St., NW., Washington, D. C.	. 5
3WQ	Loughlin, John K. Lowell, Percival D. Lower Marion High School	Ardmore, Pa	. 5
3AAR	Lum, Robert B Lusse, Richard N	64 Greene Ave., Madison, N. J	. 5
3PM 3NY	Lusse, Richard N	110 F Wildwood Ave. Wildwood N I	. 5
3DY	Lutz, John M Lynn, Thomas H Lyon, Harry H Lyon, Raymond S	Hyattsville, Md.	. 5
3LG	Lyon, Harry H	Hyattsville, Md.	. 5
3UL	Lyon, Raymond S	527 William St., Boonton, N. J	.5 .5 .5
3GH		209 N. 53rd St., Philadelphia, Pa	- 5
3EQ 3IA	Mackendrick, Robert G	1901 N 13th St Philadelphia Pa	1.0
3AM	MacKendrick, Robert G. Mahlmeister, Eugene, jr. Majer, Carl T. Mandelkern, Maurice H.	Philadelphia, Pa. (portable station)	1.0
3MR	Mandelkern, Maurice H	2349 N. 15th St., Philadelphia, Pa.	.5
3TS	Mandeville, Francis T	116 Church St., Boonton, N. J	. 5
3MH	Markham, Lester M	5108 Baltimore Ave., Philadelphia, Pa	.5
3ES 3AHF	Martin, E. Linton	701 W Fovette St. Bristol, Pa	.5
3ASI	Mandeville, Francis T. Markham, Lester M. Martin, E. Linton. Martin, Justus L. Marts, Harvey.	836 Central Ave., Ocean City, N. J.	.5
3ER	Maryland School of Telegra- phy.	Ardmore, Pa.  64 Greene Ave., Madison, N. J.  2855 N. Sth St., Philadelphia, Pa.  119 E. Wildwood Ave., Wildwood, N. J.  Hyattsville, Md.  627 William St., Boonton, N. J.  209 N. Sård St., Philadelphia, Pa.  307 Amos Land Rd., Holmes, Pa.  1801 N. 13th St., Philadelphia, Pa.  Philadelphia, Pa.  Philadelphia, Pa.  Philadelphia, Pa.  116 Church St., Boonton, N. J.  5108 Baltimore Ave., Philadelphia, Pa.  1315 Radeliffe St., Bristol, Pa.  721 W. Fayette St., Baltimore, Md.  836 Central Ave., Ocean City, N. J.  Baltimore, Md.	1.0
3AIV	Mastin, Marion G	1438 Meridian Pl. NW., Washington, D. C	. 5
3NR	Maul, Gilbert E		
3DO	Maxson, Donald L	Chatham, N. J.  Kensington, Md.  807 Asbury Ave., Ocean City, Md.  1601 Lincoln Ave., Moore, Pa.  4718 N. Camac St., Philadelphia, Pa.  1029 Main St., Darby, Pa.  3326 Van Kirk St., Wissinoming, Pa.  112 Broad St., Palmyra, N. J.  125 N. Gross St., Philadelphia, Pa.  41 Carpenter Lane, Philadelphia, Pa.	. 5
3ADS	Maxson, Donald L. McAllister, Louis E. McAnally, Charles G. McCarter, William F. McCaskey, Edward R. McClanen, Wilson T. McCloskey, J. Leonard. McCullough, Earl N. McDowell, Albert P., jr. McGear, Herbert K. McIntosh, Howard F.	1601 Lincoln Ave. Moore Pe	5
3TU 3DJ	McCarter William F	4718 N. Camae St., Philadelphia, Pa.	5
3JL	McCaskey, Edward R	1029 Main St., Darby, Pa	1.0
3ATS	McClanen, Wilson T	3326 Van Kirk St., Wissinoming, Pa	
3QO 3LZ 3KV	McCloskey, J. Leonard	112 Broad St., Palmyra, N. J.	
3LZ	McCullough, Earl N	125 N. Gross St., Philadelphia, Pa	
3PK	McGear Herbert K	2014 W Veels Ct. Dhilledels lie De	
3SJ	McIntosh, Howard F	4218 Thompson St., Philadelphia, Pa	
3EY 3AOD	McIntyre, Wm	Oak Lane, Pa	
3AOD	McIver, Renwick S	2036 O St. NW, Washington, D. C	
3KP 3ASG	McIntosh, Howard F McIntyre, Wm McIver, Renwick S. McKinley, Richard S., jr McKnett, Robert R McNair, William D McVickar W Patton	218 Lansdowne St., Wayne, Pa	
3ARS	McNair William D	1933 Biltmore St. NW. Washington, D. C.	
3VR	McVickar, W. Patton	112 Chester Pike, Norwood, Pa	1.0
3VR 3ANT	McVickar, W. Patton Martin, George C. Mccaslin, Harry B.	1553 Ferry St., Easton, Pa	1.0
3RK	Mecaslin, Harry B	3903 Hawthorne Ave., Baltimore, Md	1.0
3GL 3MJ	Meck, Michael	1550 N. Allison St., Philadelphia, Pa	
3KW	Megowen, Horace L Mehring, Charles J. Melton, J. Carroll. Mervine, Watson M. Mercing, Miles B.	414 Reily St., Harrisburg, Pa.	
3KW 3NT	Melton, J. Carroll	422 Cambridge Crescent, Larchmont, Va	1.0
3MG	Mervine, Watson M	509 Laconey Ave., Palmyra, N. J	
3RA	Messinger, Miles B	309 N. Linden St., Bethlehem, Pa	
3PD	Michael Albert C	4511 N. 18th St., Philadelphia, Pa. 414 Reily St., Harrisburg, Pa. 422 Cambridge Crescent, Larchmont, Va. 509 Laconey Ave., Palmyra, N. J. 309 N. Linden St., Bethlehem, Pa. 1919 Green St., Philadelphia, Pa. 550 Camp St., Harrisburg, Pa. Harrisburg, Pa. Roanoke, Va.	
3ATL 3AGS	Michael, Albert	Harrisburg, Pa.	1.0
			1.0

# THIRD DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Kw.
3AC	Miller, Alfred H	6358 McCallum St., Philadelphia, Pa	0.5
3TD	Miller, Harry G	1526 2d Ave., York, Pa	1.0
3GQ $3ANA$	Miller, Kelly, Jr	1526 2d Ave., York, Pa. 430 College St., NW., Washington, D. C. 801 Oak Hill Ave., Haggerstown, Md.	. 5
3AGN	Miller Paul F	38 S 5th St Easton Pa	.5
3ASA	Miller, Kelly, jr Miller, Martin V Miller, Paul F Milner, Robert D Minnick, Otis	430 College St., N.W., Washington, D. C.  801 Oak Hill Ave., Hagerstown, Md.  38 S. 5th St., Easton, Pa.  3335 Tennyson St., N.W., Washington, D. C.  42 Fairview Ave., Cumberland, Md.  537 Chestnut St., Emaus, Pa.  5113 Viola St., Philadelphia, Pa.  Philadelphia, Pa. (portable station).  2903 Girard Ave., Philadelphia, Pa.  6119 Ridge Ave., Philadelphia, Pa.  2308 N. Charles St., Baltimore, Md.  546 Stanbridge St., Norristown, Pa.  123 S. Massachusetts Ave., Atlantic City, N. J.  408 Tioga St., Johnstown, Pa.  134 W. Seymour St., Germantown, Pa.  1008 McKean St., Philadelphia, Pa.  1511 Hazzard Street, Philadelphia, Pa.  1514 Hazzard Street, Philadelphia, Pa.  2021 N. Lambert St., Trenton, N. J.  561 Broad St., Emaus, Pa.  2021 N. Lambert St., Philadelphia, Pa.  1838 N. Hope St., Baltimore, Md.  Grays Lane, Haverford, Pa.  118 S. Darlington St., West Chester, Pa.  203 N. 4th St., Allentown, Pa.  3015 N. 19th St., Philadelphia, Pa.  1510 N. 18th St., Philadelphia, Pa.  212 Linden St., Bethlehem, Pa.  213 Crawford St., Portsmouth, Va.  Ambler, Pa.  8751 Frankford Ave., Holmesburg, Pa.	.5
3ASN	Minnick, Otis	42 Fairview Ave., Cumberland, Md	.5
3AI	Mohr, Paul D  Montrose, Jack Mooney, John, jr Mooney, John, jr Mooney, John, jr Moor, Percy W	537 Chestnut St., Emaus, Pa	1.0
3ANI	Montrose, Jack	5113 Viola St., Philadelphia, Pa	.5
30E	Mooney, John, jr	Philadelphia, Pa. (portable station)	.5
30 M 3G G	Moor Porov W	6110 Pidge Ave. Philadelphia, Pa	.5
3EK		2308 N. Charles St. Baltimore Md	1.0
3CB	Moore, Earl T	546 Stanbridge St., Norristown, Pa	.5
3CB 3AKA	Moore, Earl T Moore, James P Morgan, Joseph, jr.	123 S. Massachusetts Ave., Atlantic City, N. J	.5
3ATM	Morgan, Joseph, jr	408 Tioga St., Johnstown, Pa	1.0
3IO	Morgan, Joseph, jr. Morley, Augustin H Morris, George M. Morris, Maynard C. Morris, William J., jr.	314 W. Seymour St., Germantown, Pa	5
$\frac{3NQ}{3GS}$	Morris Goorge M	1008 McKean St., Philadelphia, Pa.	.5
3ML	Morris Maynard C	926 S 58th St. Philadelphia Pa	.5
3AHM	Morris, William J., ir	134 Prospect St., Trenton, N. J.	.5
3MY	Moyer, Edgar F	561 Broad St., Emaus, Pa.	.5
3WD	Moyer, Luke I	2021 N. Lambert St., Philadelphia, Pa	.5
3WD 3OY 3TG	Muller, Ralph H	2665 Douglass St., Philadelphia, Pa	.5
3TG 3HS	Murphy, Clement H	1838 N. Hope St., Baltimore, Md	1.0
3AGR	Musento Augustino F S	118 S. Dorlington St. West Chester Po	1.0
3GE	Morris, William J., jr Moyer, Edgar F Moyer, Luke I. Muller, Ralph H. Murphy, Clement H. Murray, Eugene M. Musante, Augustine F. S. Nadig, Stanton E. Nassau, James A. Nicholls, Verne. Nichols, Crawford V. Nichols, Jack and William F.	203 N 4th St. Allentown Pa	.5
3MI	Nasa, Clifford S	3615 N. 19th St., Philadelphia, Pa	.5
3CT 3AAN	Nassau, James A	1510 N. 18th St., Philadelphia, Pa.	.5
3AAN	Nicholls, Verne	512 Linden St., Bethlehem, Pa	.5
3TI	Nichols, Crawford V	218 Crawford St., Portsmouth, Va	.5
3AGK 3HL	Nichols, Jack and William F. Nichsen, Harold, Jr. Nikirk, Thomas E. Nikirk, Thomas E. Noble, Christopher. Noel, James F. Norcross, Earl L. O'Brien, Francis J. Onens, Clarence E. Oppermann, Richard	Ambler, Pa.	.5
3EE	Nikirk Thomas F	Weshington D C (nortable station)	.5
3VU	Nikirk Thomas E	Washington, D. C. (portable station). 411 12th St., SE., Washington, D. C. 303 E. Graves Lane, Philadelphia, Pa. 218 2d St. NE., Washington, D. C. 216 Roberts Ave., Glenside, Pa. 2226 N. Carlisle St., Philadelphia, Pa.	.5
3AFP	Noble, Christopher	303 E. Graves Lane, Philadelphia, Pa	.5
3KD	Noel, James F	218 2d St. NE., Washington, D. C	.5
3GO	Norcross, Earl L	216 Roberts Ave., Glenside, Pa	.5
3AOM 3ATP	O'Brien, Francis J	2226 N. Carlisle St., Philadelphia, Pa	1.0
3RJ	Oppermann, Richard	Paulsboro, N. J	.5
3VZ	O I I II	2228 N. Carlisle St., Philadelphia, Pa. Paulsboro, N. J. 746 N. 17th St., Philadelphia, Pa. 1948 S. 11th St., Philadelphia, Pa. 1918 S. 11th St., Philadelphia, Pa. 1912 Delaware Ave., Wilmington, Del. 562 Stanbridge St., Norristown, Pa. Friendship Heights, Md. 525 South St., Portsmouth, Va. 2332 William St., Trenton, N. J. 808 3d St., Philadelphia, Pa. 532 S. 15th St., Philadelphia, Pa. 618 Park Ave., Pensauken, N. J. 2335 N. Bailev St., Philadelphia, Pa. 204 N. New St., Nazareth, Pa. 336 W. Logan St., Philadelphia, Pa. Frankford, N. J.	.5
3WC	Ort, Otto V	1212 Delaware Ave., Wilmington, Del	1.0
3EG	Orlando, Frank Ort, Otto V. Owen, A. Thomas. Page, John C. Paine, James P. Parichy, Emery. Parker, Joseph P. Patchel, Robert E. Patterson, Edward B. Patterson, John	562 Stanbridge St., Norristown, Pa	.5
3DM	Page, John C	Friendship Heights, Md	.5
30K 3CX 3NS	Paine, James P	525 South St., Portsmouth, Va	.5
ONG	Parleny, Emery	2332 William St., Trenton, N. J	.5
30W	Patchel Robert E	522 S 15th St. Philadelphia Pa	.5
3BY	Patterson, Edward B	618 Park Ave., Pensauken, N. J.	.5
3KG	Patterson, John	2835 N. Bailey St., Philadelphia, Pa	.5 .5 .5 .5 .5 .5
3CG	Pauly, Robert. Pawson, James M. Pearson, Roland D.	204 N. New St., Nazareth, Pa	.5
3IL	Pawson, James M	336 W. Logan St., Philadelphia, Pa. Frankford, N. J. 603 Howard Pl. NW., Washington, D. C. West School Lane, Philadelphia, Pa. 305 Wyncote Rd., Jenkintown, Pa. 129 E. State St., Trenton, N. J. Tudor Pl. and 31st St. NW., Washington, D. C. 6047 Allman St., Philadelphia, Pa. 2344 McClellan St., Philadelphia, Pa. 2348 West Ave., Newport News, Va. Philadelphia, Pa. (portable station).	.5
3FL 3GI	Pelham, Fred B	Frankford, N. J	.0
3PN	Pemberton Henry R	West School Lane Philadelphia Pa	.5
3PN 3TO 3DB	Pemberton, Henry R	305 Wyncote Rd. Jenkintown, Pa	.5 1.0 .5 1.0
3DB	Perry, Willard P., jr	129 E. State St., Trenton, N. J	1.0
3SF	Peter, Armistead, 3d	Tudor Pl. and 31st St. NW., Washington, D. C	.5
3DA	reverson, Raymond E	6047 Allman St., Philadelphia, Pa	1.0
$^{3JB}_{3UK}$	Petit, Ernest L	2344 McClellan St., Philadelphia, Pa	.5
3BT	Peyser, Philip S Philadelphia School of Wire-	Philadelphia Pa (nortable station)	.5
0.01	less Telegraphy.		
3AT	Philadelphia School of Wire-	Philadelphia, Pa. (portable station)	.5
ODYY	less Telegraphy. Philadelphia School of Wire-		
3PW	Philadelphia School of Wire-	117 Broad St., Philadelphia, Pa	.5
3TX	less Telegraphy. Philadelphia Turngemeinde	1705 Broad St., Philadelphia, Pa	.5
	Club		
3AHN	Phillips, Charles E	629 Linwood Ave., Collingswood, N. J	1.0
3RM 3AKR	Phillips, John D	400 W 24th St. Wilmington Del	1.0 .5 .5 1.0
MARK	i maips, Raymond B	100 W. 21th St., Whilington, Del	.0
3AFD	Philling William G	140 Washington Ave Collingswood N J	

# THIRD DISTRICT-Continued.

# ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call signal.	Owner of station.	Location of station.	Power.
ACCEPTANCE.			Kw.
3TA	Piper, S. Webster Pisani, Sylvester Place, Samuel W Poalk, James L., jr Podenski, Paul Polk, Charles P Polleyd, B. Snotswood	133 E. Antietam St., Hagerstown, Md. 226 N. Calhoun St., Baltimore, Md. 662 Stanbridge St., Norristown, Pa. 325 Summit Ave., Jenkintown, Pa. 1602 Beulah St., Philadelphia, Pa. 33 E. Walnut Ave., Merchantville, N. J. 308 Elm Ave., Swarthmore, Pa.	1.0
3TA 3LD	Pisani, Sylvester	226 N. Calhoun St., Baltimore, Md	
3НН	Place, Samuel W	662 Stanbridge St., Norristown, Pa	1.
3MW 3LV	Poalk, James L., jr	325 Summit Ave., Jenkintown, Pa	:
3LV 3SP	Polle Charles P	22 F. Walnut Ava. Marchantvilla N. I.	
BAEL	Pollard R Spotswood	308 Elm Ave. Swarthmore, Pa	
3QI	Poole, George D	2804 Chestnut Ave., Newport News, Va	:
3PF 3AEO	Polk, Charles P Pollard, R. Spotswood Poole, George D Postpichal, Otto I Portorff, Russell B Powell, Edwin L Presbrey, Victor E Prescott, Henry E Preston, James E Primrose, Donald L Proeschold, Harold V Pyle, W. A. Faries	33 E. Walnut Ave., Merchantville, N. J. 308 Elm Ave., Swarthmore, Pa	
3AEO	Porrorff, Russell B	110 N. Church St., Waynesboro, Pa	1.
3EH	Powell, Edwin L	Vineland N I	
3JA 3ADM	Presentt Henry E	407 N. Redfield St., Philadelphia, Pa	
3KY	Preston, James E.	941 Oriental Ave., Collingswood, N. J	
3KY 3EJ	Primrose, Donald L	Vineland, N. J.  407 N. Redfield St., Philadelphia, Pa.  404 N. Redfield St., Philadelphia, Pa.  404 Oriental Ave., Collingswood, N. J.  2814 St. Paul St., Baltimore, Md.  189 Everett Pl., Rutherford, N. J.  1273 Park Boulevard, Camden, N. J.  1807 Phelps Pl., Washington, D. C.  419 3rd St., Baltimore, Md.  5847 Ellsworth St., Philadelphia, Pa.	
3AHG	Proeschold, Harold V	189 Everett Pl., Rutherford, N. J	
3WR	Pyle, W. A. Faries Quaintance, Leland C	1273 Park Boulevard, Camden, N. J	1.
3ADN	Quaintance, Leiand C	410 2rd Sf Boltimore Md	
3FE 3UO	Rabl, Samuel	5847 Ellsworth St., Philadelphia, Pa	
000	Radio Apparatus Co. of America.		
3ARK	Radio Association of Mary- land.	Bancroft Rd., Arlington, Md	1.
3RN 3VC 3NU	Ramsey, Howard N	96 W. Sharpnack St., Philadelphia, Pa. 1435 S. Broad St., Philadelphia, Pa. 4107 Belle Ave., Baltimore, Md. 931 Edgewood Ave., Trenton, N. J. 504 Claymont St., Wilmington, Del. 352 Brunswick Ave., Trenton, N. J. 2085 E. Kingston St., Philadelphia, Pa. Island Heights, N. J. 1505 Bolton St., Baltimore, Md. Sea Isle City, N. J. 716 Main St., Riverton, N. J. 706 Edgwood Ave., Richmond, Va. 916 Fayette St., Conshohocken, Pa. 1623 W. Pratt St., Baltimore, Md. Bethesda, Md. Quarantine, Curtis Bay, Md.	
3VC	Rancetelli, Erani. Ranft, William Q. Raser, Edward G. Rash, Franklin L. Ratcliffe, William E. Ran, James F. Rau, James F. Rau, James P.	1435 S. Broad St., Philadelphia, Pa	.:
3NU	Ranit, William Q	931 Edgewood Ave. Trenton N I	1
3NG 3TM	Pach Franklin I.	504 Claymont St. Wilmington, Del	
SAOT	Ratcliffe, William E	352 Brunswick Ave., Trenton, N. J	
3AOT 3AEP	Rau, James F	2085 E. Kingston St., Philadelphia, Pa	
3ARO	Rau, James F	Island Heights, N. J.	
3RW	Redgrave, DeWitt C	1505 Bolton St., Baltimore, Md	1.
3ADH 3ADP	Reed, Charles J., Jr	716 Main St Riverton N I	1.
3AKW	Rau, James F Redgrave, De Witt C Reed, Charles J., jr Reed, Richard M Reid, J. Garnett Reiff, W. Norman Requa, Fred A Reynolds, Edwin L Richardson, Thomas L	706 Edgwood Ave., Richmond, Va	:
3EF	Reiff, W. Norman	916 Fayette St., Conshohocken, Pa	1.
3SA	Requa, Fred A	1623 W. Pratt St., Baltimore, Md	
3KU	Reynolds, Edwin L	Bethesda, Md. Quarantine, Curtis Bay, Md 2733 N. Fairhill St., Philadelphia, Pa. 5 E. Melrose St., Chevy Chase, Md. Penllyn, Pa. Broad Axe, Pa. 1439 17th St., Philadelphia, Pa. Berwyn, Pa.	
3DK 3BF	Richerdson, Thomas L. Richter, Harry A. Ridgway, A. King Rieger, George, Jr. Rile, Joseph C. Rivers, William L. Roberts, Harold A. Robey, V. C. K. Robinson, George C. Rechm, Lohn A.	Quarantine, Curus Day, Md	
3MQ	Ridgway A King	5 E. Melrose St., Chevy Chase, Md	
3AFS	Rieger, George, ir	Penllyn, Pa	1.
SAFG	Rile, Joseph C	Broad Axe, Pa	1.
3UH 3KZ 3NV	Rivers, William L	1439 17th St., Philadelphia, Pa	1
3KZ	Roberts, Harold A	Berwyn, Pa	1.
3GX	Pohinson George C	607 N. 10th St., Richmond, Va	-
3AAP	Roehm, John A	666 Union St., Lancaster, Pa	
3ADG	Roehm, Sewall	501 Upland Ave., Noble, Pa	
3RR	Roehm, John A.  Roehm, Sewall.  Roiller, Harold C.  Roethlinger, Charles A.	1439 17th St., Philadelphia, Pa.  Berwyn, Pa.  117 Commerce St., Rockville, Md.  607 N. 10th St., Richmond, Va.  666 Union St., Lancaster, Pa.  501 Upland Ave., Noble, Pa.  66 Chestnut St., Pottstown, Pa.  431 W. Susquehanna Ave., Philadelphia, Pa.  73 Decatur St., Cumberland, Md.	
3AOW	Roethlinger, Charles A	431 W. Susquenanna Ave., Philadelphia, Pa	
3CV 3GB	Roethlinger, Charles A Rohrer, Harry B Rohrich, George J Roland, Penn R Rollins, Thomas E Rose, Harold W Rosenfield, S Ross, John W Rothman, Charles	Hvattsville, Md	
SAIT	Roland, Penn R	563 Haws Ave., Norristown, Pa	
3AIT 3MN	Rollins, Thomas E	1732 S. 21st St., Philadelphia, Pa	
3VV	Rose, Harold W	St. Albans School, Washington, D. C	
3VL	Rosenfeld, S	321 Church St., Norfolk, Va	
3UV	Ross, John W	1937 Wilhelm St. Baltimore Md	
3VP 3AID	Roving Theodore	2021 N. 32d St., Philadelphia, Pa	
3JP	Ross, John W Rothman, Charles Rovins, Theodore Rowe, Charles R.	1308 Massachusetts Ave. SE., Washington, D. C	
3AAS	Rudrow, Robert G	6311 Dicks Ave., Philadelphia, Pa	
3LE	Rowe, Charles R. Rudrow, Robert G. Samaha, Edward F. Sanders, Cecil W. Savage, Thomas A. Schaff, Merle S.	2 Oriental Pl., Atlantic City, N. J.	1
3AMH 3TK	Sanders, Cecil W	54 W Willow Grove Ave Philadelphia Pa	
3TK	Schoff Merle S	Riverton N. J.	
3LL 3GW	Schaffer Raymond C	73 Decatur St., Cumberland, Md Hyatsville, Md 563 Haws Ave., Norristown, Pa 1732 S. 21st St., Philadelphia, Pa St. Albans School, Washington, D. C. 321 Church St., Norfolk, Va 214 14th St., Norfolk, Va 214 14th St., Norfolk, Va 2153 Wilhelm St., Baltimore, Md 2021 N. 32d St., Philadelphia, Pa 1308 Massachusetts Ave. SE., Washington, D. C. 6311 Dicks Ave., Philadelphia, Pa 2 Oriental Pl., Atlantic City, N. J. 150 McCormick St., Clifton Forge, Va 54 W. Willow Grove Ave., Philadelphia, Pa Riverton, N. J. Limeport, Pa 1318 Turner St., Allentown, Pa Wyncote, Pa.	
3VO	Schall, John R	1318 Turner St., Allentown, Pa	
3AP	Scheetz, Edwin F	Wyncote, Pa	2
3EW	Scheffey, Ralph B	346 Lafayette St., Bristol, Pa. 5020 Newhall St., Philadelphia, Pa.	1
3AFW	Schimpf, Henry L	5020 Newhall St., Philadelphia, Pa	1.
3AIU	Schaff, Merle S Schaffer, Raymond C. Schall, John R. Scheetz, Edwin F. Scheffey, Ralph B. Schimpf, Henry L. Schimpf, Henry L. Schlighting, Edward N. E.	Philadelphia, Pa. 223 Andrew Ave., Wildwood, N. J. 1936 1st St. NW., Washington, D. C. 346 Goepp St., Bethlehem, Pa.	
3PA 3AEG	Schmidt G. Ambrose	1936 1st St. NW., Washington, D. C	
DILLIA	Comments of Strangerood	1948 Comm Ct Dathloham Da	1 1

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# AMATEUR RADIO STATIONS—Continued. THIRD DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power
			Kw.
3ANC 3HN	Schoble, Ralph T	Wyncote, Pa	0.
3HN 3UU	Schuck, Leon H	2441 N. 8th St., Philadelphia, Pa	1.
3AIK	Schoble, Ralph T Schuck, Leon H Schuck, Leon H Schuller, Byron S Schuller, Joseph T Schwering, Harry C., jr Seeley, Alfred J Seidenberg, Frank Sener, C. Edward, jr Service, Charles A., jr Shaffer, Sylvester Shannon, Frank Sharp, Lewis W	Wyncote, Pa	1.
3HQ	Schuller, Joseph T	1329 Brown St., Philadelphia, Pa	- :
3OU	Schwering, Harry C., jr	1533 S. 16th St., Philadelphia, Pa	
3SU 3V <b>T</b>	Seeley, Alfred J	241 N. Wilton St., Philadelphia, Pa	
3VT	Seidenberg, Frank	4219 Parrish St., Philadelphia, Pa	
3GD	Sener, C. Edward, jr	2706 24th St. NE., Washington, D. C	1.0
33QZ	Shaffer Sylvester	1017 Worden St. Baltimore Md	1.
3AOH 3WK	Shannon Frank	327 N Wilton St., Philadelphia, Pa	- :
3AIM	Sharp, Lewis W. Shaw, R. Russell.	322 Morgan Ave., Palmyra, N. J	
3ARA		207 High St., Burlington, N. J	-
3HP	Sheetz, George F	121 Oak St., Cumberland, Md	
3RT 3EU	Shelley E Charten	Friendship Heights, Md	
3BJ	Shariff Loslie M	025 Westminster St. NW. Washington D. C.	250
3ANG	Schermer, Frank C.	4963 Wakefield St., Philadelphia, Pa.	
3IB	Sherrill, Arthur M	2706 24th St. NE., Washington, D. C. Bala, Pa. 1017 Warden St., Baltimore, Md. 327 N. Wilton St., Philadelphia, Pa. 322 Morgan Ave., Palmyra, N. J. 207 High St., Burlington, N. J. 121 Oak St., Cumberland, Md. Friendship Heights, Md. 116 W. 22d St., Baltimore, Md. 925 Westminster St. NW., Washington, D. C. 4963 Wakefield St., Philadelphia, Pa. 329 W. School Lane, Philadelphia, Pa.	
3AES	Sherwood, John R., jr	Park Heights Ave., Baltimore, Md	
3AOG	Shetz, George F. Sheiry, Edward S. Shelley, F. Cheston. Sheriff, Leslie M. Schermer, Frank C. Sherrill, Arthur M. Sherwood, John R., jr. Shoemaker, Joseph L. Streiner, Carl H.	925 Westminster St. NW., Washington, D. C. 4963 Wakefield St., Philadelphia, Pa. 329 W. School Lane, Philadelphia, Pa. Park Heights Ave., Baltimore, Md. 718 Edgewood Ave., Richmond, Va. 37 E. James St., Lancaster, Pa. 210 Lansdowne Ave., Philadelphia, Pa. 3406 N. 11th St., Philadelphia, Pa. 3406 N. 11th St., Philadelphia, Pa. 430 Princeton Ave., Tenton, N. J. 1234 Carroll St., Baltimore, Md. 4553 Pulaski Ave., Philadelphia, Pa. 2 11th St., Ocean City, N. J. 438 N. Duke St., Lancaster, Pa. 117 Glenn Road, Ardmore, Pa. 305 Schuylkill Ave., Reading, Pa. 18 E. Madison St., Baltimore, Md. 28 Escher St., Trenton, N. J. 429 W. Hanover St., Trenton, N. J. 427 E. Ross St., Lancaster, Pa. 518 N. 5th St., Philadelphia, Pa. 5046 Hayerford Ave., Philadelphia, Pa. 318 W. Logan St., Philadelphia, Pa. 318 W. Logan St., Philadelphia, Pa. 316 Newton St. NW., Washington, D. C. Cold Spring, N. J. 5554 N. Broad St., Philadelphia, Pa.	
3LF	Shreiner, Carl H	37 E. James St., Lancaster, Pa	
3IU 3ANE	Silberherger Fred E	2406 N 11th St Philadelphia Pa	195
3ANE 3UD	Silver, Paul B. Silberberger, Fred E. Silvers, Frank H., jr. Simon, Walter.	430 Princeton Ave., Trenton, N. J.	
3FD	Simon, Walter Simons, Joseph M Sinkinson, William R Skiles, John D., jr. Skinner, William H Sleath, Robert W Smith, Alred L Smith, Alfred L Smith, Alfred L Smith, Harry F Smith, Hubert H Smith, Hubert H Smith, W. P Smith, W. P Smith, W. P Smith, W. P Smith, W. P Smith, W. P Smith, W. P Smith, W. P Smith, W. P Snape, Edwin A., jr Snow, Harold A Snyder, Edwin H., jr Snyder, Harry H Somers, Lewis S., jr Speakman, Edwin G., jr Stacks, Thomas de A	1234 Carroll St., Baltimore, Md	
3AGW	Simons, Joseph M	4553 Pulaski Ave., Philadelphia, Pa	
3ANR	Sinkinson, William R	2 11th St., Ocean City, N. J.	
3ADK 3PP	Skiles, John D., jr	438 N. Duke St., Lancaster, Pa	
3NO	Sleath Robert W	305 Schuylkill Ave Reading Pa	
3BD	Smith, Alan P., 3d	18 E. Madison St., Baltimore, Md	
3AIH	Smith, Alfred L	28 Escher St., Trenton, N. J	
$^{3}\mathrm{DQ}$ $^{3}\mathrm{AKS}$	Smith, G. Victor	429 W. Hanover St., Trenton, N. J.	
3AKS	Smith, Harry F	247 E. Ross St., Lancaster, Pa	1.0
3PU 3KA	Smith Norborne G	518 N. 5th St., Philadelphia, Pa	1.0
3FH	Smith Sewall P	Catonsville Md	
3HG	Smith, W. P	5046 Haverford Ave., Philadelphia, Pa	
3ASH	Snape, Edwin A., jr	318 W. Logan St., Philadelphia, Pa	
3JR	Snow, Harold A	1656 Newton St. NW., Washington, D. C	1.0
3AE 3IK	Snyder, Edwill H., J.	Cold Spring N I	
3AFE	Somers, Lewis S., ir	1767 Columbia Rd., Washington, D. C. Cold Spring, N. J. 3554 N. Broad St., Philadelphia, Pa. 3014 Cambridge St. NW., Washington, D. C. 607 Reily St., Harrisburg, Pa. 275 Bellevue Ave., Trenton, N. J. Laurel, Md. Laurel Springs, N. J. Laurel Springs, N. J. Laurel Springs, N. J. Laurel Springs, N. J.	
3SG	Speakman, Edwin G., jr	3014 Cambridge St. NW., Washington, D. C	
3ANS	Stacks, Thomas de A Stahl, Harry E., jr. Stanley, John S Stephen, C. Chester Steppen, John W	607 Reily St., Harrisburg, Pa	
3DH	Stahl, Harry E., jr		
3KI 3BC	Stanley, John S	Laurel Springs N. T.	
3HI	Stephen, C. Chester	1122 Kenyon St. NW., Washington, D. C.	
3QA	Stevens, Lewis D	Laurel, Md Laurel Springs, N. J. 1122 Kenyon St. NW., Washington, D. C. 5224 Delancey St., Philadelphia, Pa	
	Stepnen, C. Chester Stepp, John W Stevens, Lewis D Stewart Electric Co., Philadelphia. See Frank H Stewart Electric Co.	F. Committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the com	
3AOF	Stiles, Ralph J	510 Broad St., Cape May, N.J	.5
3IJ	Stiles, Ralph J Stockton, William	510 Broad St., Cape May, N. J. 26 Main St., Flemington, N. J. 15 W. Stiles Ave., Collingswood, N. J. 649 29th St., Newport News, Va. 2020 1st St. NW., Washington, D. C. 112 Rutgers Ave., Swarthmore, Pa. Champion Apts., Atlantic City, N. J. 427 W. Union St., West Chester, Pa. Old Harford R., Hamilton, Md. 26 S. New Jersey Ave., Atlantic City, N. J.	
3HK	Stokes, Josiah T	15 W. Stiles Ave., Collingswood, N. J.	
3FW 3AON	Strallman, Gilbert T	649 29th St., Newport News, va	
3PQ	Strichy Malcolm	112 Rutgers Ave. Swarthmore, Pa.	
3IT	Stritzel, Alfred H	Champion Apts., Atlantic City, N. J	.5
3QS	Stubbs, Thomas H	427 W. Union St., West Chester, Pa	.5
3AS	Stokes, Josiah T Strailman, Gilbert T Strang, Harry L Strieby, Malcolm Stritzel, Alfred H Stubbs, Thomas H Stumpter, Albert G Swartz French V	Old Harford R., Hamilton, Md	
3AAC	Swartz, French V. Swartzkopf, Walter K.	26 S. New Jersey Ave., Atlantic City, N. J.	
3ANH		6033 Reinhart St. Philadelphia Pa	
3AGL 3GY	Swinnery, Walter, ir	815 N. Mount St., Baltimore. Md.	
3TH	Swinnery, Walter, jr Tabb, Vincent W Talbot, George L	26 Court St., Portsmouth, Va	
30F	Talbot, George L	506 14th St., Highlandtown, Md	
3ASL	Tallmadge, Richard H	Chatham, N.J	
$^{3}\mathrm{QL}$	Tapley, Robert E	17 Winone Ave. Norwood Pa	10 10 10 10 10 10 10 10 10 10 10 10 10 1
3AEI	Tallot, George L. Tallmadge, Richard H. Tapley, Robert E. Taylor, Sidney L. M. Thomas, David Thomas, Fred S., jr. Thomson, Henry A.	Old Harford R., Hamilton, Md.  26 S. New Jersey Ave., Atlantic City, N. J.  1551 S. 58th St., Philadelphia, Pa.  6033 Reinhart St., Philadelphia, Pa.  815 N. Mount St., Baltimore, Md.  26 Court St., Portsmouth, Va.  506 14th St., Highlandtown, Md.  Chatham, N. J.  Hampton Court, Norfolk, Va.  17 Winona Ave., Norwood, Pa.  200 Bethlehem Pike, Ambler, Pa.  1715 Christian St., Philadelphia, Pa.  Primos, Pa.	.5
OATT	Thomas Fred C in	1715 Christian St. Philadelphia Da	
3AFR	Thomas, Fred S., Ir	1/15 CHristian St., Finiadelphia, Fa	1000

# THIRD DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power
8			Kw.
3TF	Thorborg, Martin E	230 Seymour St., Philadelphia, Pa	0.
3OE		249 Mt. Hope Ave., Dover, N. J	
BAHR	Tolbert, Warren B	249 Mt. Hope Ave., Dover, N. J Philadelphia, Pa. (portable station). 7037 Hegerman St., Philadelphia, Pa	
3IY	Tompking F Randolph	598 0th Ave. Roanoke Va	
3VF 3AMW	Townsend, Lloyd	26 N. Massachusetts Ave., Atlantic City, N. J.	
3AIP	Tranor, Harry W	906 W. Park Sq., Moore, Pa	
3AH	Tolbert, Warren B Tolbert, Warren B Tompkins, E. Randolph Townsend, Lloyd Tranor, Harry W Treide, Carl L Troth, Raymond H Tuck, Wilbur A Tuttle, Norris	7037 Hegerman St., Finiadeiphia, Fa. 526 9th Ave., Roanoke, Va. 26 N. Massachusetts Ave., Atlantic City, N. J. 906 W. Park Sq., Moore, Pa. 2402 E. Baltimore St., Baltimore, Md. 3350 N. 18th St., Philadelphia, Pa. Point of Rocks, Md.	1.
3GK	Troth, Raymond H	3350 N. 18th St., Philadelphia, Pa	1.
3AIY 3ATE	Tuttle Norris	Bryn Mawr Po	
3RY	Tuttle, Norris. Turner, Morris C., jr. Twine, Roy W Underhill, Chester R	Bryn Mawr, Pa. 2613 Maryland Ave., Baltimore, Md. 319 W. 25th St., Norfolk, Va. Brightside Farm, Guilford, Md.	
3RY 3OZ	Twine, Roy W	319 W. 28th St., Norfolk, Va	
3QR	Underhill, Chester R	Brightside Farm, Guilford, Md	
3ASO	University of Pennsylvania	Philadelphia, Pa	
3DV	Uphoff, Frank B. Uphoff, Frank B. Uphoff, Frank B. Uphoff, Frank B. Uphoff, Frank B. Upman, Edgar A.	9218 Thorofare Ave Margate City N I	
3V Q 3V W	Uphoff, Frank B	Philadelphia, Pa. (portable station).	
3CE	Upman, Edgar A	1823 W. Fayette St., Baltimore, Md	
3CM	Vån Horn, J. Clunn. Van Hulsteyn, J. M. C. Varnes, Earl W. Venn, Silas N. Viessman, Warren. Wagner, Laurence E. Wagner, William H. Waite, John W. Walker, Orville R. Wallace, Lewis J. Wallace, M. Edgar Wallace, William D. Wallen, Francis B. Walsh, Maurice L. Walker, Donald R.	Brightside Farm, Guilford, Md. Philadelphia, Pa. 3649 York Rd., Philadelphia, Pa. 9318 Thorofare Ave., Margate City, N. J. Philadelphia, Pa. (portable station). 1823 W. Fayette St., Baltimore, Md. 5127 Arch St., Philadelphia, Pa. Cockeysville, Md. 8 Race St., Cambridge, Md. 900 Vandever Ave., Wilmington, Del. 2711 Twoly Ave., Baltimore, Md. 6077 Allman St., Philadelphia, Pa. 121 Obold St., West Reading, Pa. 2938 N. 3d St., Philadelphia, Pa. 134 S. 17th St., Allentown, Pa. 2728 Poplar St., Philadelphia, Pa. 38 Prospect St., Trenton, N. J. 2629 Edmondson Ave., Baltimore, Md. 405 Broadway, Camden, N. J. 1819 W. Lexington St., Baltimore, Md. 552 Kohn St., Norristown, Pa. 267 W. York St., Norristown, Pa. 2412 S. Rosewood St., Philadelphia, Pa. 2142 N. Bouvier St., Philadelphia, Pa. 2142 R. Rosewood St., Philadelphia, Pa. 214 W. Barnard St., West Chester, Pa. 10 Hanover St., Cumberland, Md. 1546 Aisquith St., Baltimore, Md. Abington, Pa.	
3SB	Van Hulsteyn, J. M. C	Cockeysville, Md	
3QM	Varnes, Earl W	900 Vandayar Ava Wilmington Del	
3TN 3ATK	Viessman, Warren	2711 Twoly Ave., Baltimore, Md.	
SAAY	Wagner, Laurence E	6077 Allman St., Philadelphia, Pa	
3KL	Wagner, William H	121 Obold St., West Reading, Pa	
3LW 3ADW	Waite, John W	2938 N. 3d St., Philadelphia, Pa	
3ADW 3IR	Walker, Orville R	2728 Poplar St. Philadelphia Pa	
3AIL	Wallace, M. Edgar	38 Prospect St., Trenton, N. J.	
3RF	Wallace, William D	2629 Edmondson Ave., Baltimore, Md	
3NN 3AN	Wallen, Francis B	405 Broadway, Camden, N. J	
3AN	Walsh, Maurice L	819 W. Lexington St., Baltimore, Md	1
3OR 3AAW	Walker, Donald R	267 W Vork St. Norfolk Va	
3NE	Walker, Donald R Walthall, John H Walton, Brewer G. Walton, Brewer G. Watson, James B. Watson, Paul G. Ways, Clarence I. Ways, Clarence H	New Garden, Pa	
3HU	Walton, Brewer G	1420 N. Bouvier St., Philadelphia, Pa	
3PO	Watson, James B	2412 S. Rosewood St., Philadelphia, Pa	
3BV	Watson, Paul G	214 W. Barnard St., West Chester, Pa	1
3VN 3AG	Weant Clarence H	1546 Aisquith St. Baltimore, Md	1
3AFA	Weber, Charles W	Abington, Pa.	
3AFA 3AER	Weant, Clarence H Weber, Charles W Weber, James N	1546 Aisquith St., Baltimore, Md. Abington, Pa. 111 3d St., Millville, N. J. 3623 N. 16th St., Philadelphia, Pa. 126 Athens Ave., Ardmore, Pa. Livingston Heights, Va. 117 Northampton St., South Bethlehem, Pa. Columbia, N. J. 716 Main St., Riverton, N. J.	
3AFT	Webster, Harold S. Wedge, Franklin W. Wegner, Arthur H. Wegner, Edwin. Weidman, Marshall D. Weidman, Course H.	3623 N. 16th St., Philadelphia, Pa	
3AEH 3OC	Wedge, Franklin W	Livingston Heights Vo	-
3AAT	Wegner Edwin	117 Northampton St., South Bethlehem, Pa	1
3AFM	Weidman, Marshall D	Columbia, N. J	1
3ADP	Weigel, George H	716 Main St., Riverton, N. J	
3FC	Weik, Charles F	7148 Vandyke St., Philadelphia, Pa	
3AHR 3AGA	Weigel, George H. Weik, Charles F. Weik, Charles F. Weikel, John H.	900 Church St. North Wales, Pa	
3LH	Weiss, Leonard	117 Northampton St., South Bethelein, Fa. Columbia, N. J. 716 Main St., Riverton, N. J. 7148 Vandyke St., Philadelphia, Pa. Philadelphia, Pa. (portable station). 900 Church St., North Wales, Pa. 4825 Woodland Ave., Philadelphia, Pa. 815 S. 5th St., Camden, N. J. 39 S. Stricker St., Baltimore, Md. Newerk, Del	-
3HF	Weiss Simon	815 S. 5th St., Camden, N. J	
3OQ 3AML	Welke, Paul L. Wessells, Wilbert T. West, William M.	39 S. Stricker St., Baltimore, Md	
3AML 3AF	Wessells, William M	Newark, Del	1
3AGD	Westlake Harry T	1922 N. Broad St. Philadelphia, Pa.	
3FI	Westlake, Harry T. Wever, John A. Wexler, Bernard	238 S. Patterson Park Ave., Baltimore, Md	1
3KQ 3CZ	Wexler, Bernard	431 Dickinson St., Philadelphia, Pa	
3CZ	Wheatley, Douglas N	405 N. 32d St., Philadelphia, Pa	
3MV 3DG	Wheatley, Douglas N	19 General Greene Ave., Trenton N. I	
3EN	Whitney, Lucien S	624 Quincy St. NW., Washington, D. C.	
30X	Whitney, Lucien S Wick, Arthur Wicks, Preston S Wight, Donald M	2406 S. Percy St., Philadelphia, Pa	1
3OX 3NJ	Wicks, Preston S	2206 Ruskin Ave., Baltimore, Md	1
3ARO	Wight, Donald M	1620 29th St., Washington, D. C.	1
3SI 3IP	Williams, Harvey	39 S. Stricker St., Baltimore, Md Newark, Del 1407 N. Central Ave., Baltimore, Md 1922 N. Broad St., Philadelphia, Pa 238 S. Patterson Park Ave., Baltimore, Md 431 Dickinson St., Philadelphia, Pa 405 N. 32d St., Philadelphia, Pa 937 14th St. SE., Washington, D. C 19 General Greene Ave., Trenton, N. J 624 Quincy St. NW., Washington, D. C 2406 S. Percy St., Philadelphia, Pa 2206 Ruskin Ave., Baltimore, Md 1620 29th St., Washington, D. C 3533 N. 18th St., Philadelphia, Pa Hampton, Va.	
3AKD	Williamson, Robert M.	4701 Pulaski Ave., Philadelphia, Pa.	
3BU	Wilson, Arthur J	35 S. 45th St., Philadelphia, Pa	
3AKO	Wilson, Roy	30th and Locust Sts., Wilmington, Del	
3IV	Williamson, Charles M., jr. Williamson, Robert M. Wilson, Arthur J. Wilson, Roy. Wilson, Willard S. Winters, Ralph N. Wiseman, Luther B. Witty, Cristay.	3523 N. 18th St., Philadelphia, Pa.   Hampton, Va.   4701 Pulaski Ave., Philadelphia, Pa.   35 S. 45th St., Philadelphia, Pa.   30th and Locust Sts., Wilmington, Del.   705 Adams St., Wilmington, Del.   404 Pearl St., Camden, N. J.   330 W St. NW., Washington, D. C.   1608 W. Allegheny St., Philadelphia, Pa.	
3BZ 3HA	Winters, Kaiph N	230 W St NW Washington D C	
OILA	Witty, Gustav	1 000 II Die II IV., Washington, D. C	1

#### THIRD DISTRICT—Continued.

# ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Kw.
3WE	Wohlford, John F	404 Elm Ave. SW., Roanoke, Va	
3AAH	Wohlsen, Richard	430 W. Orange St., Lancaster, Pa	
3J D	Wolcott, Roger G	224 41st St., Norfolk, Va	
3BS	Wolff, William J	2422 S. Iseminger St., Philadelphia, Pa. Keyworth Ave. and Park Heights, Baltimore, Md	1.
3GR 3WG		940 Carteret Ave., Trenton, N. J.	1.
3AGH	Worley, Robert A	58 Broad St., Salem, N. J.	
3AAZ	Wright, S. Joseph	024 Spruce St. Philadelphia Pa	
3AFL	Wynkoop, John E		
3AIO	Wynkoop, John E	Philadelphia, Pa. (portable station)	
3RS	Yearley, Clifton K	Garrison and Fernhill Aves., Baltimore, Md	
3WT	Young, Walter T	521 Leibert St., Bethlehem, Pa	1773
3AKF	Young Men's Christian Association (Central Branch).	1421 Arch St., Philadelphia, Pa	
3HZ	Zabel, Leroy E	100 Glenside Ave., Glenside, Pa	
3IG	Zabel, Leroy E	156 Lismore Ave., Glenside, Pa	1.
3NA	Zang, Joseph A., jr	3701 Fairmount Ave., Philadelphia, Pa	
3ATO	Zapp, Frederick A	469 Rutherford St., Trenton, N. J.	
3AMR	Ziegler, Lewis D., 3d		Car.
3ANP	Zimmerman, Harry F		1
3LS	Zito, Vincent	213 N. Gay St., Baltimore, Md.	
3PB	Zorger, Daniel H	409 Helker St., Harrisburg, Pa	1.

# ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
3AA	Ashmore, John W.	3ADT	Hastings, Harris.	3AGF	Barkley, J. A.
3AAB	Lansford, W. R.	3ADW	Walker, Orville R.	3AGH	Wright, Ervin T.
3AAC	Swartz, French V.	3AE	Snyder, Edwin H., jr.	3AGI	Beck, Rodney M.
3AAD	Longfellow, Charles	3AEA	Craigie, Stuart M.	3AGK	Nichols, Jack and Wil-
011112	F., jr.	3AED	Haslett, Harold D.		liam F.
3AAE	Lesky, William.	3AEF	Beidelman, Harry A.	3AGL	Sweger, Monroe J.
3AAF	Brudenell, Norman.	3AEG	Schmidt, G. Ambrose,	3AGN	Miller, Paul F.
3AAG	Carroll, Louis, jr.	3AEH	Knoll, Lloyd M.	3AGP	Blanford, Irving I.
3AAH	Wohlsen, Richard.	3AEI	Thomas, David.	3AGR	Musante, Augustine
3AAI	Blake, John M.	3AEK	Lewis, J. A.		F.
3AAJ	Blair, Drewry.	3AEL	Pollard, R. Spotts-	3AGS	Michaels, A. G.
3AAK	Hopkins, James R.		wood.	3AGT	Gresh, Harold.
	Lewis, John B.	3AEM	Booz, W. N.	3AH	Treide, Carl L.
3AAM	Russo, Ernest.	3AEN	Holstein, Hubert.	3AHA	Carlisle, John F.
3AAN	Nicholls, Verne.	3AEO	Pottorff, Russell.	3AHE	Lazarus, Sanford S.
3AAQ	Klock, Victor J.	3AEP	Rau, James F.	3AHF 3AHI	Martin, Justus L.
3AAP	Roehm, John.	3AER	Weber, James N.	3AHK	Giles, Larkin.
3AAR	Lum, Robert B.	3AES 3AET	Sherwood, John R., jr. Horner, George E.	3AHM	Houck, Harry W. Morris, W. J., jr.
3AAS 3AAT	Rudrow, Robert. Wegner, Edwin.	3AEW	Diebe G C	3AHN	Phillips, Charles E.
3AAU	Faulstich, Chester W.	3AF	Dicks, G. C. West, William M.	3AHO	Dunn, John M.
3AAV	Bechler, Wm. C., jr.	3AFA	Weber, Charles W.	3AHP	Chesser, Page P. A.
3AAW	Walthall, John H.	3AFD	Phillips, William G.	3AHR	Tolbert, Warren B.
3AAX	Hicks, Thomas R.	3AFE	Somers, Lewis S., jr.	0.1111	and Weik, Chas. F.
3AAY	Wagner, Laurence E.	3AFG	Rile, Joseph C.	3AHS	Brown, Edwn H.
3AAZ	Wright, S. Joseph.	3AFH	Fliegel, William M.	3AHT	Deavers, W. R.
3AB	Carroll, Roy C.	3AFI	Fliegel, William M. Backe, Louis M., jr.	3AHW	Leigh, Walter S.
3AC	Miller, Alfred H.	3AFK	Lohr, Allen W.	3AI	Mohr, Paul D.
3ADA	Miller, Alfred H. Bott, James M.	3AFL	Wynkoop, John E.	3AIA	Cocklin, Foster W.
3ADE	Layton, Howard H.	3AFM	Weidman, Marshall	3AIB	Atkinson, T. Howard.
3ADF	Harrell, Leonard B.		]_D	3AID	Royins, Theodore.
3ADG	Roehm, Sewall.	3AFN	Lippincott, Bertram.	3AIE	Keim, Jonathan D.
3ADH	Reed, Charles J., jr.	3AFO	Huddy, James J., jr.	3AIF	Gluck, Earle.
3ADI_	Imfeld, Fred H.	3AFP	Noble, Christopher.	3AIG	Hale, Charles W.
3ADK	Skiles, John D., jr.	3AFR 3AFS	Thomas, Fred S., jr.	3AIH 3AIL	Smith, Alfred L.
3ADL	Ellis, Edmund K.	3AFT	Rieger, George, jr.	3AIM	Wallace, M. Edgar.
3ADM 3ADN	Prescott, Henry E. Quaintance, Leland	3AFW	Webster, Harold S. Schimpf, Henry L.	3AIM 3AIN	Sharp, Lewis W. Liddell, Harry M.
SADN	C.	3AG	Weant, Clarence H.	3AIO	Wynkoop, John E.
3ADO	Coombs, John S.	3AGA	Weikel, J. H.	3AIP	Tranor, Harry W.
3ADP	Reed & Weigel.	3AGD	Westlake, Harry T.	3AIR	Beaumont, Robert H.
3ADR	Endress, John.	3AGE	Hemphill, William J.,	3AIS	McClanen, Wilson T.
3ADS	McAllister, Louis E.		ir.	3AIT	Roland, Penn R.
		•	• •=•		

#### THIRD DISTRICT-Continued.

# ALPHABETICALLY BY CALL SIGNALS—Continued.

Call   signal   Owner of station   Signal   Signal   Owner of station   Signal   Signal   Owner of station   Signal   Owner of station   Signal   Owner of station   Signal   Signal   Owner of station   Signal   Owner of station   Signal   Signal   Owner of station   Signal   Signal   Owner of station   Signal   Signal   Signal   Owner of station   Signal   Signal   Owner of station   Signal   Signal   Owner of station   Signal   Signal   Owner of station   Signal   Signal   Owner of station   Signal   Signal   Owner of station   Signal   Signal   Owner of station   Signal   Signal   Owner of station   Signal   Signal   Owner of station   Signal   Signal   Owner of station   Signal   Signal   Owner of station   Signal   Signal   Owner of station   Signal   Signal   Owner of station   Signal   Signal   Owner of station   Signal   Signal   Owner of station   Signal   Signal   Owner of station   Signal   Signal   Owner of station   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Signal   Sign						
Matty Marine G.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D		Owner of station.		Owner of station.		Owner of station.
Matty Marine G.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D.  3AK D	RATIT	Schimpf Henry L	3APA	Shaw F Russell	3BO	Eller George O
3A1		Mastin Marion G	SARD	Brantigam H. G.	3BR	Witty Gustav
3A1	3AIW	Chadwick Eric	SARE	Cullin Ernest N.		Wolff William I
A AKE D Williamson, Robt. M. SARK M. SARK M. Greenfield, R. H. SARK Delbow, George W. Sark M. Sark M. Sark M. Sark Delbow, George W. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. Sark M. S	SAIV		3ARF	Reck Page M		Philadelphia School
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3ARK   Odobeste, William   SARY   Wilson, Roy.   SARY   Wison, Roy.   SARY   Wison, Roy.   SARY   Hinrey, Walter E.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.		Basford, R. F	3ARM	Flumerfelt, E. C.	3BZ	Winters, Ralph N.
3ARK   Odobeste, William   SARY   Wilson, Roy.   SARY   Wison, Roy.   SARY   Wison, Roy.   SARY   Hinrey, Walter E.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.   Sary F.	3AKH	Greenfield, R. H.	3ARN	Hunt, H. Lester.		
3A.KM Goldstein, William J. 3A.KN Wilson, Roy. 3A.KN Wilson, Roy. 3A.KN Wilson, Roy. 3A.KN B. 3A.KN Wilson, Roy. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B. 3A.KN B		Eisenhard, Stanley E.	BARO	Wight, Donald M.	3CA	Adelberger, Adrian J.
3A KP   Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. and Bargett, R. L. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett,	3AKK	Dolbow, George W.		Hunter, H. Currord.	3CB	Moore, Earl T.
3A KP   Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. and Bargett, R. L. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett,	3AKM	Goldstein, William.	3ARS	McNair, William D.	300	Biddle, Howard L.,
3A KP   Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. L. and Bargett, R. and Bargett, R. L. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett, R. and Bargett,	3AKN	Lewis, Max J.	SART	Description Property	2015	Unman Pdan A
AND SAND SAND SAND SAND SAND SAND SAND S	3A K D	Percelt B	SARW	Deaston, Frank W.,		Leagur Creston F
AND SAND SAND SAND SAND SAND SAND SAND S		Diffine Dowmond B	310	Stumptner Albert G	300	Pauly Pobert
AAM Mager, Carl T.  AAMA Fow, Oscar A.  AAMB Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor,	3 A K R	Smith Harry F	3484	Milner Robert D.	3CH	Ferris Malcolm
AAM Mager, Carl T.  AAMA Fow, Oscar A.  AAMB Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor,	ZA KT	Eisenhauer, Harry D.		Damon, L. R.	3CI	Cook, Howell E.
AAM Mager, Carl T.  AAMA Fow, Oscar A.  AAMB Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor, John S.  AAME Ensor,	8A KW	Reid, James G.	3ASE	Channell, John W.	3CJ	Imfeld, Fred H.
3AMM Mart, Robert M. 3AMMD Hart, Robert M. 3AME Ensor, John S. 3AMF Geakman, Robert L. 3AMG Gains, G. A. 3AMG Beakman, Robert L. 3AMG Sanders, Cecil W. 3AMG Beakman, Robert L. 3AMG Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sanders, Cecil W. 3AMM Sa	3AL	Change Harman A	3ASF	Blaess, George.	3CK	Baer, Francis M.
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3AME Beekman, Robert L. Salms, J. Ad. Salms, J. Ad. Salms, G. A. Salms, G. A. Salms, G. A. Salms, G. A. Salms, G. A. Salms, G. A. Salms, G. A. Salms, G. A. Salms, G. A. Salms, G. A. Salms, G. A. Salms, G. A. Salms, G. A. Salms, G. A. Salms, G. A. Salms, G. A. Salms, G. A. Salms, G. A. Salms, G. A. Salms, G. A. Salms, G. A. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. Salms, G. S	3AMD	Hart, Robert M.	3ASI_	Marts, Harvey.		Ashton, Leon W.
3AMG Sains, G. A. 3AMI Sanders, Cecil W. 3AMI Brineshulls, Ralph. 3AMK Wessells, W. Thomas. 3AML Wessells, W. Thomas. 3AMN Bakley, F. W. 3AMN Linthicum, Robt. E. 3AMP Jahr Hollowsy, Jack. 3AMP Jahr Hollowsy, Jack. 3AMW Jahr Hollowsy, Jack. 3AND Brandt, Bruce C. 3AMW Jahr Hollowsy, Jack. 3AND Brown, Ray1 nond H. 3ANW Jahr Townsend, Jaoyd. Walsh, Maurice L. 3ANT Townsend, Jaoyd. Walsh, Maurice L. 3ANT Gasey, Howard. 3AND Gasey, Howard. 3AND Gasey, Howard. 3AND Schoble, Ralph. 3AND Schoble, Ralph. 3ANT Swartskopf, Wal te r Kartskopf, Wal te r Kartskopf, Wal te r Kartskopf, Wal te r Kartskopf, Wal te r Santh Hollowsy, George T., Jr. 3ANN Sann Sann Brown, Raynond Bruber, John W. 3AND Sann Brown, Raynond Bruber, John W. 3AND Sann Brown, Raynond Bruber, John W. 3AND Sann Brown, Raynond Bruber, John W. 3ANT Shemmer, F. C. 3ANT Swartskopf, Wal te r Kartskopf, Wal te r Kartskopf, Wal te r Sann Brown, Sann Brubaker, John W. 3ANT Sann Brown, Raynond Bruber, John W. 3ANT Shemmer, John W. 3ATT Survey, John F. 3ANT Shemmer, John W. 3ATT Survey, John W. 3ATD Hollowsy, Jack. 3ATD John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John W. 4AND John	3AME	EIBOL John D.		Jordan, P. A., Jr.	300	Campbell, James S.
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3ANW 3ANN Maurice L. 3ANA Miller, Marvin V. 3ANC Schoble, Ralph. 2AND Casey, Howard. 3ANE Silberberger, Fred E. 3ANE Shermer, F. C. 3ANH Shermer, F. C. 3ANH Shermer, F. C. 3ANH Chambers, Ivan F. 3ANU Chambers, Ivan F. 3ANU Shermer, F. C. 3ANH Bromley, George T., jr. 3AND Sinkinson, W. M. Sinkinson, W. M. Sinkinson, W. M. Sinkinson, W. M. Sinkinson, W. M. Sinkinson, W. M. Sinkinson, W. M. Shermer, H. George C. 3ANN Siacks, Thomas D. 3ANN Siacks, Thomas D. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C. 3AND Martin, George C.	3AMB	Brandt, Bruce C.	3ASW	Hammel, W. C.	3CZ	Wheatley, Douglas N.
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3AOW     Roethlinger, Chas. H.     3BL     Beach, Harry L.     3EJ     Primrose, Donald L.       3AP     Scheetz, Edwin F.     3BM     Allen, George Y.     3EK     Moore, Daniel D.       3AQ     Hogan, Harold O.     3BO     Brady, John B.     3EL     Fricke, Henry W. L.       3AR     Gilpin, Levering H.     3BP     Blackwood, George C.     3EM     Heyser, Wilbur A.	3AOT	Ratcliffe, W. E.		Bryce, Stanley C.	3EI	Kümler, Kelvin C.
3AP Scheetz, Edwin F. 3BM Allen, George Y. 3EK Moore, Daniel D. 3AQ Hogan, Harold O. 3BO Brady, John B. 3EL Fricke, Henry W. L. 3AR Gflpin, Levering H. 3BP Blackwood, George C. 3EM Heyser, Wilbur A.	3ÃOW	Roethlinger, Chas. H.		Beach, Harry L.	3EJ	Primrose, Donald L.
3AQ   Hogan, Harold O.   3BO   Brady, John B.   3EL   Frické, Henry W. L. 3AR   Gflpin, Levering H.   3BP   Blackwood, George C.   3EM   Heyser, Wilbur A.	3AP	Scheetz, Edwin F.	3BM	Allen, George Y.	3EK	Moore, Daniel D.
3AR   Gilpin, Levering H.    3BP   Blackwood, George C.    3EM   Heyser, Wilbur A.	3AQ	Hogan, Harold O.	3BO	Brady, John B.	3EL	Fricke, Henry W. L.
	3AR	Gupin, Levering H.	8BP	Blackwood, George C.	3EM	meyser, whour A.

#### THIRD DISTRICT—Continued.

# ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
OTEN	Whitney I water C	27.4	Mahlmalatan E T in	OTT	Track Lauria O
3EN	Whitney, Lucien S. Bookins, John M., jr. Kennedy, Joseph H. Mac Kendrick, Robert	3IA	Mahlmeister, E. J., jr. Sherrill, Arthur M.	3LI	Heck, Lewis O.
3EO 3EP	Vennedy Joseph U	3IB 3IC	Dinger Alex I M	3LJ	Anderson, Joseph L. Schaff, Merle S.
3EQ	MacKendrick Behart	31D	Dingee, Alex. L. M.	3LL	Mormondos Doses D
or &	G.	31F	Codfroy Forlo	3LM 3LN	Hermandez, Roger B.
317.5	Mortin E Ligton	. 310	Zabel Por E	31.0	Doyle, John E.
3ES 3ET	Martin, E. Linton. Alber, Robert C.	3IH 3IH	Eisele Edward ir	3I.O 3LP	Densham Harry W
3EU	Shelley, F. Cheston.	311	Gleisper Francis W.	3LQ	Birch, Stanford S.
3E V 3E X 3E Y	Brannan, Julian L.	3IJ	Dingee, Alex. L. M. Hasenius, Joseph F. Godfrey, Earle. Zabel, Roy E. Eisele, Edward, jr. Gleisner, Francis W. Stockton, William. Snyder, Harry H. Pawson, James M. Behan, Arthur R. Morgan, Joseph. Williamson. Charles	3LR	Godfrey, Clarence M. Densham, Harry W. Birch, Stanford S. Zito, Vincent. Dunbar, Lewis T. Ellis, J. Elton. Pademekki Paul
3EX	Brannan, Julian L. Gray, K. F. McIntyre, William.	31 K	Snyder, Harry H.	3LT 3LU	Dunbar, Lewis T.
3EY	McIntyre, William.	311.	Pawson, James M.	3LÜ	Ellis, J. Elton.
	1 -	3IM	Behan, Arthur R.	3LV 3LW 3LX 3LX	
3FA	Davis, Edwin L.	310	Morgan, Joseph.	3LW	Waite, John W.
3FB	Darby, George B., jr. Weik, Charles F.	3IP	Williamson, Charles	3LX	Geiglein, Henry S.
3FC	Weik, Charles F.	27.0	M., jr.	3LY	Waite, John W. Geiglein, Henry S. Harris, William J. McCullough, Earl N.
3FD	Simon, Walter.	3IQ 3IS	M., jr. Knoll, Lloyd M. Hartley, Milton E. Stritzel, Alfred H. Silver, Paul. Fisher, John.	3LZ	McCullough, Earl N.
3FF	Dempster, Warren J. Godfrey, James M. Smith, Sewell P.	318	Ctritual Alfred H	9364	Passan Warren
3FG 3FH	Godfrey, James M.	3IT 3IU	Silver Poul	3MA 3MC	Bacon, Harry. Pillsbury, Martin K. Dulany, Franklin R.
3FI	Wever, John A.	3IW	Fisher John	3MD	Dulany Franklin R
3FJ	Knowles, Edward P.,	31 X	Fisher, John. Field, Harry P.	3ME	Lamdin, Charles R.
	l ir	3IX 3IY	Tolbent, Warren B.	3MF	Hitchner, Clyde C.
3FL	Pearson, Roland D.		<u>-</u>	3MG	Mervine, Watson M.
3FL 3F <b>M</b>	Channell, John W.	3JA	Presbrey, Victor.	3MH	Markham, Lester M.
3FN	Pearson, Roland D. Channell, John W. Deichmiller, Alvin.	3JB	Petit, Ernest L.	3MI	Lamdin, Charles R. Hitchner, Clyde G. Mervine, Watson M. Markham, Lester M. Nash, Clifford S. Megowan, Horsee L.
3FQ	Clark, William R. Densten, E. Craig.	3JC	Ault, Arthur K.	3 <b>M</b> J	Megowen, Horace L. Griscom, Samuel B.
3FR	Densten, E. Craig.	3JD	Presbrey, Victor. Petit, Ernest L. Ault, Arthur K. Wolcott, Roger G.	· 3MK	Griscom, Samuel B.
3FT 3FV	Bisciotti, Bernard J.	3ЈЕ	Dickerson, E. Stuart,	3ML	Morris, Maynard C.
3FW	Strailman Gilbert T	3JF	jr.	3MM 3MN	Rolling Thomas E
3FŸ	Edwards, Charles. Strailman, Gilbert T. Devlin, John L.	3JH	Brockman, Francis C.	3MO	Bickel, E. Clifton.
		3J K	Schnable, Stanley E.	3MP	Cohen, Henry.
3GA 3GB	Dietz, Fred. Rohrich, George J. Sener, Charles E., jr.	3JL	Aplelbaum, Martin. Brockman, Francis C. Schnable, Stanley E. McCaskey, Edward R. Frankenfield, Albert	3MQ	Morris, Maynard C. King, Albert. Rollins, Thomas E. Bickel, E. Clifton. Cohen, Henry. Ridgway, Augustin
3GB	Rohrich, George J.	3JN	Frankenfield, Albert		
3GD	Sener, Charles E., jr.	0.7.0		3MR	Mandelkern, Maurice. Barnhart, Lawrence
3GE 3GF	Nadig, Stanton E. Bryce, Stanley C. Moor, Percy W.	3JP 3JR	Rowe, Charles R. Snow, Harold A.	3MS	W.
3G <b>G</b>	Moor Percy W	3JS	Beekley, Francis S.	3МТ	Gardner William.
3GI		3.14	Hampson, George M.	3MU	Baily, William J., ir.
3GJ	Doughty, William R. Troth, Raymond H. Meck, Michael. Board of Public Edu-	31 V 31 V	Hampson, George M. Fenimore, Robert S. Gardner, J. A. Hoagland, Donald.	3MV	Gardner, William. Baily, William J., jr. Whitaker, Lorenzo D.
3GK	Troth, Raymond H.	3JV	Gardner, J. A.	3MW	Poalk, James L., jr. Moyer, Edgar F. Jodry, Ray S.
3GL	Meck, Michael.	3JX 3JY	Hoagland, Donald.	3MY	Moyer, Edgar F.
3GN	Board of Public Edu-	3J Y 3JZ	Haim, Charles D.	3MZ	Jodry, Ray S.
3GO	cation. Norcross, Earl L.	332	Goodling, D. H.	3NA	Zang Iosanh R ir
3GP	Hettinger Alfred C	3 KA	Smith Norhorne G.	3NB	Zang, Joseph R., jr. Frye, Marcus, jr. Dalling, Howard. Hirst, Arthur C. Walton Brawer G
3ĞQ	Hettinger, Alfred C. Miller, Kelly. Wood, Richard M.	3KA 3KB	Smith, Norborne G. Goodall, Alfred B. Flynn, Thomas F. Noel, James F.	3NC	Dalling, Howard.
3GR	Wood, Richard M.	3KC 3KD 3KE	Flynn, Thomas F.	3ND 3NE	Hirst, Arthur C.
3GS	Morris, George M.	3KD	Noel, James F.	3NE	Walton, Brewer G.
3GU 3GV	Morris, George M. Hopkins, Robert E.	3KE	Burbaker, John w.	3N F	Walton, Brewer G. Gaskill, William W. Raser, Edward G.
3GV	Laher Joseph M	3KF	Green, Anthony J.	3NG	Raser, Edward G.
3GW	Schaffer, Raymond	3KG 3KH	Patterson, John E. Don Bosco Institute.	3NH	Bierireund, Max A.
20.35	C. H.	3KH 3KI	Stepley John S	3NI 3NJ	Bierfreund, Max A. Bell, Albert A., jr. Wicks, Preston S.
3G X 3G Y	Robinson, George C. Swinney, Walter, jr. Backe, Louis M., jr.	3KK	Stanley, John S. Hofmann, George A.	3NK	Godfrey, Howard L.
3GZ	Backe, Louis M., ir.	3KL	Wagner, William H.	3NL	Behm. L. F. F.
		3KL 3KM	Hofmann, George A. Wagner, William H. Gray, Gerald. Barr, Richard H. Chelmans Edwin I.	3NM	Godfrey, Howard L. Behm, L. F. F. Haldeman, George E.
3HA	Wiseman, Luther B.	3KN 3KO 3KP	Barr, Richard H.	3NN	Wallen, Francis B. Sleath, Robert W. Jones, La Frantz.
3HB	Taylor, Sidney L. M.	3KO	Chaimers, 13th will 13.	3NO 3NP	Sleath, Robert W.
3HC	Green, Daniel J.	3KP	McKinley, Richard	3NP	Morley Augustin H
3HD 3HF	Waise Simon	310	S., jr. Wexler, Bernard.	3NQ 3NR	Morley, Augustin H. Maul, Gilbert E.
3HG	Wiseman, Luther B. Taylor, Sidney L. M. Green, Daniel J. Haake, William F. Weiss, Simon. Smith, W. P. Place, Samuel W. Stepp, John W. Bradley, Horace E.	3KQ 3KR 3KS	Anderson, Richard J.	3NS	Parker, Joseph P.
3HH	Place, Samuel W.	3KS	Bernhart, William.	3NS 3NT	Melton, J. Carroll.
3HI	Stepp, John W.	1 3KT	Anderson, Richard J. Bernhart, William. Elder, L. W.	I 3NU	Ranft, William Q.
3 <b>HJ</b> _	Bradley, Horace E.	3KU	Reynolds, Edwin L.	3NV 3NW	Robey, V. C. K.
3 <b>HK</b>	Stokes, Josiah T.	3KU 3KW 3KX	Reynolds, Edwin L. Mehring, Charles J. Knight, G. Webber,	3NW	Math, Gibert E. Parker, Joseph P. Melton, J. Carroll. Ranft, William Q. Robey, V. C. K. Burke, Thomas J. Heintzelman, Walter.
3HL 3HN	Nielsen, Haraid, Jr.	3KX	Lingni, G. Webber,	3N X 3N Y	Lutz T M
3H N	Bradley, Horace E. Stokes, Josiah T. Nielsen, Harald, jr. Schuck, Leon H. Sheetz, George F.	3KZ	jr. Roberts, Harold A.	3NZ	Lutz, J. M. Branin, Manlif L.
3HR	Harmer, Robert H.	ŀ		"""	· ·
3H8	Murray, Eugene M.	3LA	Levin, Davis.	30A	Lentz, Arthur.
3HT	Harmer, Robert H. Murray, Eugene M. Falkenberg, August	1 3LB	Iddings, Frederick T.	30B	Kennedy, Ignatius L. Wegner, Arthur H. Hall, Leroy.
OTTT		3LC 3LD	Jones, Winters.	3OC 3OD	wegner, Arthur H.
3HU 3HV	Walton, Brewer G. Leibhart, John H. Bidwell, George L.	3LD	Iddings, Frederick T. Jones, Winters. Pisani, Sylvester. Samaha, Frank.	3OE	Mooney John
3HW	Bidwell, George L	3LF	Shreiner, Carl H.	30F	Talbot, George L.
3HY	Derr, Francis S.	3LG 3LH	Shreiner, Carl H. Lyons, Harry H. Weiss, Leonard.	30G	Jones, John W.
3HZ	Derr, Francis S. Zabel, Roy.	3LH	Weiss, Leonard.	30H	Mooney, John, jr. Talbot, George L. Jones, John W. Urian, J. D.

# THIRD DISTRICT-Continued.

# ALPHABETICALLY BY CALL SIGNALS-Continued.

	1		1		<del></del>
Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
301	Lehmberg, Henry.	3RD	Dimling, Rudolph G.	3UA	Gilbert, Harry P., jr. Lamb, Roland H.
30J	Barron, John H., jr.	910 129	1 A.	3f. B	Lamb, Roland H.
30K 30L	Paine, J. Persons, jr. Grant, Arthur F.	3RE 3RF	Longaker, A. Wallace, William D. Kline, H. N. Gay.	3UD	Silvers, Frank H.
30 M	Mooney, John, ir.	3RH	Kline H. N. Gav.	3UE 3UF	Lindauer, Edgar. Howlett, Joseph T. F.
3ON	Mooney, John, jr. Matos, Walter A.	3RI	Hodges, R. E. L.	3Ŭ G	Dearden, Rowland
300	Hindin, Louis N.	3RJ	Oppermann, Richard.		1 12 24
30P	Fink, Louis, 3d. Welke, Paul L., jr. Walker, Donald K.	3RK	Mecaslin, Harry B.	3UH	Rivers, William L.
30Q	Weike, Paul L., Jr.	3RM	Phillips, John D.	3UI	George, John R.
30R 308	Lafferty Francis A	3RN	Ramsey, Howard N.	3UJ	Campbell, James D. Peyser, Philip S.
30 <b>T</b>	Lafferty, Francis A. Faust, Elmer J.	3RO 3RP	Ramsey, Howard N. Gravely, William T. Kirby, Elmer S. Haas, Jerome S.	3UK 3UM	Durham, Edmund B.
3ŎŪ	Schwering, Harry C.,	3RQ	Haas, Jerome S.	3UN	Carpenter, C. Ell-
	l ir.	3RR	KORIMAT HISTOICE		wood, jr. Cohan, William W.
30V	Jacoby, Arthur C. Patchel, Robert E. Wick, Arthur.	1 3R8	Yearley, Clifton K. Sheiry, Edward S. Hoff, J. Marshall.	3UR	Cohan, William W.
30W 30X	Wick Arthur	3RT	Sheiry, Edward S.	3UT	Cianfrani, Theodore.
30 <b>Ŷ</b>	Muller, Ralph H.	3RU 3RV	Hammill, McClin-	3U V 3U W	Coll I Dichard
3ŎZ	Twine, Roy.	3RV	tock, jr.	3UZ	Ross, John W. Call, J. Richard. Braidwood, Thomas
	1	3RW	Redgrave, deWitt C.	30.5	W.
3PA 3PB	Schlichting, E. N. E. Zorger, Daniel H., jr. Meyer, Emil J. Allen, John P.	3RX	Buskey, Harvey L. Turner, Morris C., jr.		
3PB	Meyer Emil I	3RY	Turner, Morris C., jr.	3VA	Durham, Wilson N.
3PE	Allen, John P.	3RZ	Barrett, Montague W.	3VB 3VC	Butt, Harvey R. Rancetelli, Ernani.
3PF		38A	Requa, Fred A.	3VE	Brenner, Samuel.
3PG	Dorsey, Arthur. Harris, Edwin R. Atlee, Franklin. Harris, S. Sylvan.	3SC	Ecton, Albert F.	3VF	Tompkins, E. Ran-
3PH 3PI	Harris, Edwin R.	38 D	Cheltenham High	1	dolph.
3PJ	Harrie S Sylvan		School.	3VG	Applegate, Franklin.
3PK	McGear, Herbert K.	38F 38G	Peter, Armistead, 3d. Speakman, Edwin G.,	3VII 3VI	Ancona, Fred. Egner, John.
3PL	Rallantina Charles S	350	ir	3VK	Griffith, Dorsey J.
3PN	Pemberton, Henry R. Skinner, William H.	3811	jr. Kenyon, Walter R. Williams Harvey	3VL	Bernstein & Rosen-
3PP 3PR	Hamburg Bussell	381	" milwille, rice voj.		feld.
3PT	Creager, E. Clark.	3SJ	McIntosh, Howard.	3VN	Ways, Clarence I.
3PU	Hamburg, Russell. Creager, E. Clark. Smith, Hubert B.	38K	Baxley, C. Herbert. Knoppel, Herman L.	3VO 3VP	Schall, John R.
3PV	Hiestand, Benjamin.	38L 38N	Bourgeois, Edmund	3VQ	Uphoff, Frank B.
3PW	Philadelphia School of Wireless Teleg-	0.511	R.	3VR	Rothman, Charles. Uphoff, Frank B. McVicker, W. Pat-
	raphy.	380	Bradshaw, R. B.		ton.
3PX	Howard, H. Trum-	3SQ 3SR	Kupp, Clarence L.	3VU 3VV	Nikirk, Thomas E. Rose, Harold M.
	1 bull.	388	Anderson, John A.	3VW	Unhoff, Frank B
3PY	Bergey, H. Leon.	38T	Brany, Emil B. Chappell, Ralph R.	3VX	Flounders, Newton.
3P <b>Z</b>	Griffith, Elmer G.	3SU	Seeley, Alfred J. King, Charles E.	3VX 3VY	Flounders, Newton. Beresford, Rees H. Orlando, Frank.
3QA	Stevens, Lewis D.	38V	King, Charles E.	3VZ	Orlando, Frank.
3QB	Derbyshire, Agnew	38 W	Barnard, Julian W. Gieske, Alfred W., jr.	3WC	Ort, O. V.
200	W. Haraltina S	38X 38Y	Barretta, Valroy S.	3WD	Mover, Luke I.
3QC	Lever, Haseltine S.,	3SZ	Herndon, Landon C.	3WE	Wohlford, John F. Huyler, Rollin M. Worley, Robert A.
3QD	Anderson, Frederick	i	1	3WF	Huyler, Rollin M.
-	J.	3TA	Piper, S. Webster. Judson, Elbert B. Landis, Harry. Miller, Harry G.	3WG 3WH	Berkeley, Kenneth II.
3QE	Long, P. H.	3TB 3TC	Landis, Harry.	3WI	Darnell, Henry, ir.
3QF	Haig, James D. Landis, Harold O. Poole, G. D. Adams, Leslie H.	3TD	Miller, Harry G.	3WJ	Darnell, Henry, jr. Alden, John H.
30 K 30 I 30 G	Poole, G. D.	3TE	Huyette, Paul B.	3WK	Shannon, Frank.
3QK	Adams, Leslie H.	3TF	Thorborg, Martin E. Murphy, Clement H. Tabb, Vincent W. Nichols, Crawford V. Edson, Howard D. Savage Thomas A	3WL	Davis, Raymond. Cloman, William.
30L	Tabley, Robert E.	3TG 3TH	Table Vincent W	3WM 3WN	Gaty, John P.
3Q <b>M</b>	Varnes, Earl W. Atlee, Charles B.	3TI	Nichols, Crawford V	3WO	Goodwin, Harold F.
3QN 3QQ	McCloskey, Leonard.	3TĴ	Edson, Howard D.	3WP	Goodwin, Harold F. Cox, T. Newell.
$3\widetilde{\mathbf{Q}}\widetilde{\mathbf{P}}$	McCloskey, Leonard. Fulton, Harold E.	3TK	Savage, Thomas A.	3WQ	Lower Marion High
3QO 3QP 3QQ 3QT	Cassady, Park H.	3TL	Savage, Thomas A. Bowes, Joseph J. Rash, Franklin L.	211/12	Dule W A Feries
3QT	Bayard, Arnold.	3TM 3TP	Brittingham Ottic R	3WR 3WT	School. Pyle, W. A. Faries. Young, Walter T. Kressel, Gordon.
3QU	Deichmann, George	3TQ	Brittingham, Ottis B. Andrews, Edward C.	3WU	Kressel, Gordon.
3Q.V	L., jr. Hall, Robert S.	3TR	Fell, David B.	3WV	Becker, Frank F. Keller, Paul A. Goebel, Eugene S. Basford, Robert F.
ӟ҈ѷ҈w	Harsch, Lawrence P.	3 <b>T</b> S	Mandeville, Francis	3WW	Keller, Paul A.
3QX	Barrington, Roger W.	OTDIT	T.	3WX 3WY	Restord Robert F
3QV 3QW 3QX 3QY	Stewart Electric Co.	3TU	Blanford Irving	3WZ	Keller, Kenneth W.
3QZ	Service, Charles A., jr.	3TV 3TW	McAnally, Charles C. Blanford, Irving. Leslie, Malcolm C.	• • • •	
3RA	Messinger, Miles N. Lewis, Ellis, jr.	3TX	l'hiladelphia Turn-		1
3RB	Lewis, Ellis, jr.	0037	gemeinde Club.		
3RC	Fenton, Edward T.	3TY	Krone, Julian E.	Į]	

#### FOURTH DISTRICT.

[Headquarters: Customhouse, Savannah, Ga. The fourth district comprises the States of North Carolina, South Carolina, Georgia, Florida, and the Territory of Porto Rico.]

# ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station,	Location of station.	Power
			Kw.
4AN	Agnew, Robert D	219 E. Anderson St., Savannah, Ga	0.
4CU	Allen Glenn L	St. Petersburg, Fla	100
4CB	Allston, William F	8 Colonial St., Charleston, S. C.	and the
4CB 4CZ 4DJ	Atking Charles A	738 4th Ave., N., St. Petersburg, Fla	1.
BA	Allston, William F Ashley, Robert C Atkins, Charles A Avant, Marion C	St. Petersburg, Fla.  8 Colonial St., Charleston, S. C.  738 4th Ave., N., St. Petersburg, Fla.  27 Candler St., Atlanta, Ga  806 N. 4th St., Wilmington, N. C.	
4BZ	Barber Edward D	806 N. 4th St., Wilmington, N. C. 203 St. Andrews St., Dothan, Ala 50 Whiteford Ave., Atlanta, Ga. 803 W. Monroe St., Jacksonville, Fla 504 5th St. N., St. Petersburg, Fla. 104 Myrtle Ave., Atlanta, Ga. 1104 Myrtle Ave., Jacksonville, Fla 343 Rowland Court, St. Petersburg, Fla	
4DX	Benning, Broughton W Blankenship, Elliott E	50 Whiteford Ave., Atlanta, Ga	1.
4CQ	Blankenship, Elliott E	803 W. Monroe St., Jacksonville, Fla	
4DŘ	Breck Charles	50 Logan Ave Atlanta Ga	
4CX 4CC	Brantley, Lewis B. Breck, Charles Breden, Henry W. Bryan, E. Harry Buck, C. Howard	1304 Myrtle Ave., Jacksonville, Fla	1.
4BQ 4CS	Bryan, E. Harry	343 Rowland Court, St. Petersburg, Fla	
ICS	Buck, C. Howard	St. Petersburg, Fla	
4CI	Carr, John M	821 1st Ave., N., St. Petersburg, Fla	1.
4DH 4CK	Clodfelter, Charles W	41 S. Pleasant St., Winston-Salem, N. C.	1.
4DU	Coloney, Paul R	1404 Braden St., Bradentown, Fla	
4DT	Clodfelter, Charles W. Coloney, Paul R. Cole, Edwin A. Conn, Albert L.	301 Logal Ave., Atlanta, Ga.  1304 Myrtle Ave., Jacksonville, Fla.  343 Rowland Court, St. Petersburg, Fla.  St. Petersburg, Fla.  181 Lst Ave., N., St. Petersburg, Fla.  196 Chappel St., Atlanta, Ga.  141 S. Pleasant St., Winston-Salem, N. C.  1404 Braden St., Bradentown, Fla.  306 South Dakota St., Tampa, Fla.  75 4th Ave., N., St. Petersburg, Fla.  717 S. Edison St., Tampa, Fla.  171 S. Edison St., Tampa, Fla.  181 Letersburg, Fla.  192 Letersburg, Fla.  193 Poroce de Leon Ave., Atlanta, Ga.  194 Laura St., Jacksonville, Fla.  292 Prospect Pl., Atlanta, Ga.  227 5th St., S., St. Petersburg, Fla.  Oxford, Ga.  87 Mary St., Wayeross, Ga.  Nazareth, N. C.  196 Rawson St., Atlanta, Ga.  296 Rawson St., Atlanta, Ga.  297 Azeele St., Tampa, Fla.  107 S. 4th St., Wilmington, N. C.  207 mewood Ave., Atlanta, Ga.  298 Highland Ave., Atlanta, Ga.  298 Highland Ave., Atlanta, Ga.  299 W. Gordon St., Savannah, Ga.  148 Richmond Ave., Atlanta, Ga.  209 W. Gordon St., Savannah, Ga.  148 Richmond Ave., Atlanta, Ga.  1007 Patterson Ave., Winston-Salem, N. C.  1105 Market St., Wilmington, N. C.  211 Lee St., Tampa, Fla.  106 S. Edison Ave., Tampa, Fla.	
CE	Conn, Albert L	75 4th Ave., N., St. Petersburg, Fla	
ICY IBN	Conn, Albert L. Cooper, Frank P. Cross, K. E. Dane, Seymour. Davis, Loren V. de Vore, Ross Allen. Dobbins, Walter E. Dunk, Thomas R. Edworde W. Loroy	Port Tampa Fla	1112
BF	Dane Seymour	1440 13th St. Miami Fla	
4AE	Davis, Loren V.	St. Petersburg, Fla	- WINES
4AM	de Vore, Ross Allen	10 Essie St., Atlanta, Ga	
4ED 4AZ	Dobbins, Walter E	230 Ponce de Leon Ave., Atlanta, Ga	1.
AAZ ADS	Edwards W Loroy	1424 Laura St., Jacksonville, Fla	1.
1CD	Edwards, W. Leroy	227 5th St., S., St. Petersburg, Fla.	
DD	Emory University	Oxford, Ga	1.
4CN	Falks, Robert L	87 Mary St., Waycross, Ga	
4EB	Farrey, Owen J	Nazareth, N. C	1.
$^{4\mathrm{AJ}}_{4\mathrm{DL}}$	Flowers Robert R	206 Rawson St Atlanta Ga	1.
4DA	Falks, Robert L. Farrey, Owen J. Featherston, Joe A. Flowers, Robert B. Fogarty, John J. French, William A., 3d. Gerlach Harry I.	707 Azeele St., Tampa, Fla	1.
4CM	French, William A., 3d	107 S. 4th St., Wilmington, N. C	Dist.
4DM	Gerlach, Harry J. Gibson, Isaac A., jr. Gordon, Clarence M.	22 Ormewood Ave., Atlanta, Ga	1.
AAT AAX	Gibson, Isaac A., jr	Polmor College De Funiel Springs Fle	1.
ICP	Guimaraes, Abilio S	298 Highland Ave., Atlanta, Ga	
4CP 4AT	Guimaraes, Abilio S. Hall, Marvin S. Hamilton, George H. Hawkins, Marion.	687 N. Boulevard, Atlanta, Ga	
4BR	Hamilton, George H	209 W. Gordon St., Savannah, Ga	1.
4DG	Hawkins, Marion	14 Richmond Ave., Atlanta, Ga	1.
IDN BS	Hege, William C	Miami Fla	1.
4CG	Henshaw, Howard Holtzclaw, Ralph C	Roseland, Fla.	
ICG ICO	Howald, George A	Decatur, Ga	
4EA 4AF	Huggins, William C	7 S. 4th St., Wilmington, N. C.	
AF	Humphrey, Arthur L	211 Lea St. Tampa Fla	
4BI 4DF	Howald, George A Huggins, William C Humphrey, Arthur L James, F. Leslie Johnstone, Henry P Keen, David W Keiger, J. Lee	106 S. Edison Ave., Tampa, Fla	
4CF	Keen, David W	117 5th St., St. Petersburg, Fla	
4CR	Keiger, J. Lee. Kreis, Joseph W., jr Kruger, Charles E Leonard, Rudolph Lesley, John L Linville, Roy R Marmelstein, Charles A Moreh William A	1140 Balsley St., Winston-Salem, N. C	
4BI	Kreis, Joseph W., jr	655 S. Pryor St., Atlanta, Ga	
4AL 4BR	Leonard Rudolph	200 W Gordon St. Savannah, Ga	
4DB	Lesley, John L.	114 Hyde Park Pl., Tampa, Fla	111111
4EF	Linville, Roy R	646 13th St., Winston-Salem, N. C	
4AS	Marmelstein, Charles A	1319 Barnard St., Savannah, Ga	1
4AG	Marsh, William A	K. F. D. No. 1, M18III1, F18	
4BL	Marsh, William A  Matheson, Hugh M  Matheson, Hugh M  McIlvaine, Victor C	Cocoanut Grove, Fla	
4AU 4CT	McIlvaine, Victor C	208 Verne St., Tampa, Fla	1.
4BO	I Megee, Benjamin R	1105 Market St., Wilmington, N. C. 211 Lee St., Tampa, Fla. 1106 S. Ed.; Tampa, Fla. 117 5th St., St. Petersburg, Fla. 1140 Balsley St., Winston-Salem, N. C. 655 S. Pryor St., Atlanta, Ga. 11 Bates Ave., Kirkwood, Ga. 209 W. Gordon St., Savannah, Ga. 114 Hyde Park Pl., Tampa, Fla. 646 13th St., Winston-Salem, N. C. 1319 Barnard St., Savannah, Ga. R. F. D. No. 1, Miami, Fla. Key Biscayne, Fla. Cocoanut Grove, Fla. 208 Verne St., Tampa, Fla. 63 Mansfield St., Atlanta, Ga. 627 Margaret St., Key West, Fla. College Park, Ga.	1.
4AB	Meltaer, Isador	627 Margaret St., Key West, Fla	
4CL 4DE	Moore Thomas H ir	321 N. Spring St. Pensacola, Fla	
4CJ	Morgan, Sidney S	1821 W. Broad St., Savannah, Ga	
4DV	Nelson, Wayne M	Kernersville, N. C	
4BW	Newell, William F	828 Fifth Ave., N., St. Petersburg, Fla	1.
4DK 4DC	More, Thomas H., Jr. Morgan, Sidney S Nelson, Wayne M. Newell, William F. Patterson, Clifford F. Peer, Emmitt E. Pinkston, Jeter, jr.	627 Margaret St., Key West, Fia. College Park, Ga. 321 N. Spring St., Pensacola, Fla. 1821 W. Broad St., Savannah, Ga. Kernersyille, N. C. 528 Fifth Ave., N., St. Petersburg, Fla. 508 Vine St., Atlanta, Ga. 419 Duval St., Jacksonville, Fla. 107 Gordon St., Valdosta, Ga.	1.
4BD	Dinkston Toton in	107 Cordon Ct Voldosto Co	1.0

# FOURTH DISTRICT—Continued.

# ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call signal.	Owner of station.	Location of station,	
30			Kw.
4AA	Pope, Wilbur B	197 Dearing St., Athens, Ga	1.0
4BT	Powell, Dwight E	715 E. Washington St., Orlando, Fla	. 5
4DY	Raffo, James H	Bay Shore Blyd., Tampa, Fla	. 5
4AC	Rice, Elmer L	1702 E. Duval St., Jacksonville, Fla	1.0
4DI	Rothrock, William S	517 Ridge Ave., Winston-Salem, N. C	1.0
4BV	Saeger, Raymond A	Ankona Fla	5
4AY	Sanders, Tye C	239 Woodward Ave., Atlanta, Ga	1.0
4BU	Santas, Vern F	156 N. 2d St., St. Petersburg, Fla	.5
4CA	Shahan, J. Hubert	315 W. 5th St., Rome, Ga	1.0
4EC	Shumate, John R., jr	600 Clay St., Thomasville, Ga	1.0
4BK	Simons, Mayrant	Summerville, S, C	1.0
4CH	Smith, Ivy H	Covington, Ga	
4A0	Smoot, Lloyd D	1443 Laura St., Jacksonville, Fla	1.0
4D0	Stalnaker, Leo	6th Ave. and 33d St., Tampa, Fla	. 5
4DZ	Stone, Hestor A	Lockhart, Fla	. 5
4EE	Stubbs, William P	Lockhart, Fla	. 5
4AR	Summers, C. H., jr	501 E. Main St., Gainesville, Fla	. 5
4DW	Swinson, Alton H	Little River, Fla	. 5
4DQ	Tabb, Vincent W	Little River, Fla. A. and M. College, West Raleigh, N. C.	1.0
4CW	Taft, Robert B	105 Rutledge Ave., Charleston, S. C	. 5
4AD	Walker, James E	Milledgaville Go	1.0
4AW	Wall, Patrick H	258 Plant Ave., Tampa, Fla	1.0
4DP	Warner, George C	609 Swann Ave., Tampa, Fla	1.0
4BG	Watkins, C. E	Fort Pierce, Fla	1.0
4AG	West End Wireless Club	105 Lawton St., Atlanta, Ga	.5
4BP	Whitaker, A. Klein	210 Stanton St., Bradentown, Fla	. 5
4AK	Whiting, Charles T	R. F. D. No. 6, Gainesville, Fla	1.0
4AP	Whittaker, Alan D., jr	221 E. 10th St., Atlanta, Ga	1.0
4BH	Wikle, James R	619 S. Pryor St., Atlanta, Ga	.5
4BM	Williams, Emory C	Kirdwood, Ga	1.0

# ALPHABETICALLY BY CALL SIGNALS.

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Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
4AAD 4AF 4AF 4AG 4AH 4AN 4AN 4AN 4AR 4AR 4AX 4AX 4BC 4BDF 4BG 4BH 4BI 4BI 4BL	Pope, Wilbur B. Walker, James E. Davis, Loren V. Humphrey, Arthur L. West End Wireless Club. Funk, Arthur. Gibson, Isaac A., Jr. De Vore, Ross A. Agnew, Robert D. Whittaker, Alan D., Jr. Marsh, William A. Summers, C. H., Jr. Marmelstein, Chas. A., Ir. Hall, M. Sheppard. Matheson, Hugh M. Gordon, Clarence M. Sanders, Tye C. Avant, M. C. Franklin, William. Pinkston. J. W., Jr. Dane, Seymour. Watkins, C. E. Wikle, James. James, F. Leslie. Simons, Mayrant. Matheson, Hugh M.	4BP 4BQ 4BR 4BS 4BT 4BU 4BV 4BV 4BY 4CB 4CC 4CC 4CC 4CC 4CC 4CC 4CC 4CC 4CC	Whitaker, A. Klein. Bryan, E. H. Hamilton, Geo., and Leonard, Rudolph. Henshaw, H. Powell, Dwight E. Santas, Verne F. Saneger, Raymond. Newell, William F. Herzog, M. A. Barber, Edward D. Shahan, J. H. Allston, William F. Breden, Henry. Elston, E. B. Conn, Albert L. Keen, David. Holtzelas, Ralph C. Smith, I. H. Carr, J. M. Clodelter, C. U. Merriam, F. F. Folks, Robert L. Taft, R. Breck, Charles, Cooper, E. P. Ashley, Robert C. Fogarty, John J.	4DD 4DE 4DF 4DG 4DH 4DJ 4DJ 4DL 4DN 4DD 4DQ 4DR 4DDV 4DV 4DV 4DV 4DV 4DV 4DV 4DV 4DV 4D	Emory University. Moore, Thomas H., Jr. Johnstone, Harry. Hawkins, Marion. Church, A. W. Rothrock, William S. Atkins, C. A. Patterson, Clifford F. Flowers, Robert B. Gerlach, H. J. Hege, William C. Stalnaker Brothers. Warner, George C., Jr. Tabb, Vincent W. Brantley, Lewis. Edwards, Le Roy. Cole, E. A., Jr. Coloney, Paul R. Nelson, Wayne M. Swinson, Harold. Benning, B. W. Raffo, James. Stone, Hector A. Huggins, William C. Farrey, Owen J. Shumate, J. R., jr. Dobbins, W. E., jr. Stubbs, William P. Linville, Roy.
4BM 4BO	Williams, Emory C. Megee, B. R.	4DB 4DC	Lesley, J. Livingston. Peer, Emmitt E.		

#### FIFTH DISTRICT.

[Headquarters: Customhouse, New Orleans, La. The fifth district comprises the States of Alabama, Mississippi, Louisiana, Texas, Tennessee, Arkansas, Oklahoma, New Mexico.]

#### ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.		
			Kw.	
5AC	Agricultural and Mechanical College of Texas.	College Station, Tex	0.	
5DX	Ancell Tom B	927 N. Marsalis Ave., Dallas, Tex	1.	
5DH	Andress, Max	735 N. Robinson St., Cleburne, Tex	11.00	
5EH 5AJ	Ansley, Hewlette L	1906 Laurel St. Shrayenort, La	1.	
5BD	Asdorin, Levon	1529 Calliope St., New Orleans, La	1	
5ED	Autry, James L., jr Baker, Charles M	5 Courtlandt Pl., Houston, Tex	1	
5EF		327 S. Parkway, Memphis, Ten. St. Parkway, Memphis, Tenn. St. Parkway, Memphis, Tenn.		
$_{ m 5DG}$ $_{ m 5EQ}$	Barr, Charles S	St Paul's College Covington La	1	
5CS	Barr, Charles S Barre, Martin Beauchamp, Fred Behre, Joseph C Berger, Carl G. F. Bowling, James A Breaux, Osear W Brooks, Junius B Brown, Max T	Orange, Tex.	1000	
5BF	Behre, Joseph C	Orange, Tex. 1012 Kerlerec St., New Orleans, La. 217 E. Commerce St., Altus, Okla. 1212 Prairie Ave., Houston, Tex. 1472 N. Rochablaye St. New Orleans, La.	150	
5AF	Berger, Carl G. F	217 E. Commerce St., Altus, Okla		
5CO 5DW	Breaux Oscar W	1472 N. Rocheblave St., New Orleans, I.a.		
5DF	Brooks, Junius B			
5BW		Las Cruces, N. Mex. 1017 Cumberland St., Little Rock, Ark.		
5AM	Brownell, Harold S	Edgewood, Birmingham, Ala	139	
5BP 5DR	Butcher, Cecil F	Edgewood, Birmingham, Ala. 324 W. 12th St., Dallas, Tex. 2211 Avenue H, Ensley, Ala. Beeville, Tex.	1	
5BQ	Caine, Irving D. Campbell, Gregory D. Carrie, Robert G. Casey, Robert H.	Beeville, Tex. 746 Herron St., Montgomery, Ala 606 N. Main St., Cleburne, Tex	0.05	
5EB	Carrie, Robert G	746 Herron St., Montgomery, Ala		
5CQ	Casey, Robert H	606 N. Main St., Cleburne, Tex	- 1	
5CT 5BV	Churchill, Charles W	1301 Welch St., Little Rock, Ark.	1	
5CR	Cochran, George D	2019 Clarendon Ave., Bessemer, Ala		
5DZ	Cole, Harry B Coleman, Jess B Collins, William A Cox, Houston A	1515 Linwood Blvd., Oklahoma City, Okla	1	
5DK	Collina William A	811 17th St., Temple, Tex	4.	
5DN 5CK	Cox Houston A	524 Jackson St., Starkville, Miss.	1	
5EJ	Craig, P. W. Craven, William M. Curtis, Ernest M.	206 S. 8th St., Pratt City, Ala	1	
5AK	Craven, William M	1516 S. 12th Ave., Birmingham, Ala	1	
5BR 5AU	Darwin, Tyler	746 Herron St., Montgomery, Ala. 606 N. Main St., Cleburne, Tex. Caldwell, Tex. 1301 Welch St., Little Rock, Ark. 2019 Clarendon Ave., Bessemer, Ala. 1515 Linwood Blvd., Okiahoma City, Okla. 811 17th St., Temple, Tex. 228 Arabella St., New Orleans, La. 524 Jackson St., Starkville, Miss. 206 S. Sth St., Pratt City, Ala. 1516 S. 12th Ave., Birmingham, Ala. 350 Selma St., Mobile, Ala. 1205 N. 9th St., Waco, Tex. 5918 Laurel St., New Orleans, La. 1044 City Park Ave., New Orleans, La. 125 Froctor St., Waco, Tex. 112 Martha St., Montgomery, Ala. 127 E. 6th St., Oklahoma City, Okla. 1310 Lee St., Dallas, Tex. 2730 Wendelkin St., Dallas, Tex. 213 E. Blvd., Baton Rouge, La. 2222 Portland Ave., Shreveport, La. 1815 W. Gary St., Shreveport, La. 1819 Octavia St., New Orleans, La. 2000 E. Main St., New Orleans, La. 2000 C. Main St., New Orleans, La. 2000 C. Main St., New Orleans, La.		
5EM	Dawty, Albert	5918 Laurel St., New Orleans, La		
5BM	de Ben, Hubert E	1044 City Park Ave., New Orleans, La		
5AA	Dawty, Albertde Ben, Hubert EDeeley, Paul MDibble, George B	535 Proctor St., Waco, Tex	1	
5CG 5DY	Downing, Roswell B	727 E. 6th St. Oklahoma City, Okla		
5BJ	Dye, Marvin M	3107 Lee St., Dallas, Tex	1	
$5\mathrm{DU}$	Emerson, Bennett. Ernest, Walter C., jr. Felsenthal, Sonnel J.	3730 Wendelkin St., Dallas, Tex	1	
5DE	Ernest, Walter C., jr	119 St. Stevens Ave., Mobile, Ala	1	
5AT 5CL	Fitzgibbon Rodger K	2002 Avenue P. Galveston, Tex		
5BO	Fitzgibbon, Rodger K Floyd, Preston M., jr Fort, Fred A Geren, A. Blanchard	213 E. Blvd., Baton Rouge, La		
5E.2	Fort, Fred A	2222 Portland Ave., Shreveport, La	,	
5DP 5AH	Geren, A. Blanchard Gillette, Jack	Purcell Okla	198	
5AQ	Goldstein, Henry R.	1819 Octavia St., New Orleans, La	1103	
5AS	Goodman, Louis N	300 E. Main St., Starkville, Miss	1	
5CJ	Goldstein, Henry R. Goodman, Louis N. Gray, W. Parker Greenlaw, Paul E.	1819 Octavia St., New Orleans, La. 300 E. Main St., Starkville, Miss 15 W. 10th St., Oklahoma City, Okla. Franklinton, La. Beeville, Tex.	- 5	
$_{5\mathrm{AY}}^{5\mathrm{BB}}$	Hall Henry	Reville Tex	1	
5DI	Hall, Henry Hanz, Harry W Harrell, David, jr	310 Bridge St., New Braunfels, Tex	1	
5DD	Harrell, David, jr	1010 Guadalupe St., Austin, Tex	200	
5BI	Harrison, Jackson W	800 Highland Ave., Montgomery, Ala	1	
$5\mathrm{EN}$ $5\mathrm{CX}$	Holland Jassa W	406 Granbury St. Claburne Tex		
5ER	Holmes, Wesley S	209 Gayoso St., New Orleans, La		
5EG	Harriell, David, Jr.  Harrison, Jackson W.  Harrison, W. Mare.  Holland, Jesse W.  Holmes, Wesley S.  Hudson, Edward M.  Hunt, Martin L.	310 Bridge St., New Brauniels, Tex. 1010 Guadalupe St., Austin, Tex. 800 Highland Ave., Montgomery, Ala. 1003 Elgin Ave., Muskogee, Okla. 406 Granbury St., Cleburne, Tex. 209 Gayoso St., New Orleans, La. 608 W. 7th St., Austin, Tex. Woodrow St., Dallas, Tex. Lafayette Ave and Miro St., New Orleans, La. 3707 Junius St., Dallas, Tex. 462 Pine St., New Orleans, La. 18 Terrell St., Mobile, Ala.	1994	
5DV	Hunt, Martin L	Woodrow St., Dallas, Tex	1	
5AG 5EI	Kelly, Paul R	3707 Junius St., Dallas, Tex		
5CI	Johannsen, John, jr. Kelly, Paul R. King, William J.	462 Pine St., New Orleans, La	1	
5CI 5CM		18 Terrell St., Mobile, Ala	- 133	
5AI	Jones, Burle R	1103 Gibson St., Muskogee, Okla.	113	
5EK 5CZ	Leroy, Louis	Memphis, Tenn		
5BK	Jones, Burle R. Hirsh, Leon Leroy, Louis. Leroy, Louis. Macke, William, jr. Marks, George M., jr.	Memphis, Tenn	1	
5AV				

#### FIFTH DISTRICT-Continued.

# ALPHABETICALLY BY OWNERS OF STATIONS.—Continued.

Call signal.	Owner of station.	Location of station.	
506			Kw.
5BX	Martin, George W	209 S. Edgefield Ave., Dallas, Tex	
5CV	Martin, Roy	100 W. Lampkin St., Starkville, Miss	-
5EA	McDonnell, J. S., jr	3304 8th Ave., Little Rock, Ark	
5CI	McKelvey, Walter G	807 Elgin St., Muskogee, Okla	
5BS	McLain, Robert M	250 Walker St., Huntsville, Ala	1.
5AO	Mercier, Walter H	1640 Carroltton Ave., New Orleans, La	
5AN	Milam, Monroe W	603 N. 4th St., Waco, Tex	1
5CU	Miller, Harold L	1012 Government St., Mobile, Ala	
5DA	Mitchell, Erwin H	1012 Government St., Mobile, Ala	
5AR	Moore, J. Walter	317 Jackson Ave., El Dorado, Ark	1.
5CP	Moore, Frank C	7509 St. Charles Ave., New Orleans, La	
5EO	Mottashed, Marvin H	3126 Lillian St., Shreveport, La	
5DL	Mount, Robert H	Pineville, La.	
5BH	Nobe, Harold G	402 Nashville Ave., New Orleans, La	
5CB	Nelson, Paul E	1012 S. 18th St., Fort Smith, Ark	1.
5BG	Parkes, Thomas L	2411 Kensington St., Nashville, Tenn	
5CE	Preis, Robert J	4433 S. Rampart St., New Orleans, La	
5DT	Reeves, Ben	2822 Turney Ave., Dallas, Tex	
5DM	Reid, Kenneth M	1001 Columbus Ave., Muskogee, Okla	
5EC	Reymond, Dalton S	442 N. Boulevard, Baton Rouge, La	
5BC	Reynolds, Gordon P., jr	906 Arabella St., New O. leans, La	
5DJ	Richard, Charles L	1004 Government St., Mobile, Ala	
5AD	Rorshach, Harold E	619 North E St., Muskogee, Okla	
5BY	Sams, Ernest E	508 Market St., Muskogee, Okla	
5DC	Sanders, W. Currey	674 Topeka St., Shreveport, La	
5BT	Selby, Clarence M	1163 Locust St., Muskogee, Okla	í.
5AX	Simmons, Dorr R	3134 Lilian St., Shreveport, La	1.
5EL	Smith, Leo H	3161 Fetzer St., Shreveport, La	
5AE	Snarr, Kenneth A	1200 S. 10th St., Fort Smith, Ark	
5AB	Steddom, A. Henry	1524 W. 9th St., Oklahoma City, Okla	1.
5DQ	Stanton, Roy	1002 Cedar St., Bonham, Tex	
5BU	Sweetman, Frank M	930 N. 11th St., Waco, Tex	
5AP	Thompson, Vance M	267 Pasadena Pl., Memphis, Tenn	
5AL	Tilley, Wesley H	303 E. 10th St., Austin, Tex	
5CD	Tisdel, William L	814 W. Okmulgee Ave., Muskogee, Okla	
5BE	Tonahill, Maurice	714 S. 8th St., Waco, Tex	
5BA	Toups, Roy N	1512 Ursuline St., New Orleans, La	
5BZ	Towle, Amos	203 S. George Ave., Mobile, Ala	
5CW	Townsley, William L., jr	35 S. Cooper St., Memphis, Tenn	1.
5CF	Uhalt, William J. and Joseph H.	5933 Constance St., New Orleans, La	
5CY	Ward, Robert P	233 Orchard St., Georgetown, Tex	1.
5CA	Wilson, Harry T	898 Saxon Ave., Memphis, Tenn	
5DO	Wolover, William H	621 Eastside Blvd., Muskogee, Okla	
5DB	Wood, Ross	726 Speight St., Waco, Tex.	
5CN	Worner, Urban D	726 Speight St., Waco, Tex	

#### ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
5A.A	Deeley, Paul M.	5AT	Felsenthal, Sonnel J.	5BO	Floyd, Preston N., jr.
5AB	Steddom, A. Henry.	5AU	Darwin, Tyler.	5BP	Butcher, Cecil F.
5AC	Agricultural and Me-	5AV	Macke, William, jr.	5BQ	Campbell, Gregory.
•	chanical College.	5AX	Simmons, Dorr R.	5B8	McLain, Robert M.
5AD	Rorschach, Harold C.	5AY	Hall, Henry.	5BT	Selby, Clarence M.
5AE	Snarr, Kenneth A.	5AZ	Dike, Ernest R.	5BV	Clayton, John M.
5AF	Berger, Carl G. F.		2	5BX	Martin, George W.
5AG	Johannsen, John, jr.	5BA	Tours, Ray N.	5BZ	Towle, Amos.
5AH	Gillette, Jack.	5BB	Greenlaw, Paul E.		
5AI	Jones, Burle R.	5BC	Reynolds, Gordon P.,	5CB	Nelson, Paul E.
5A.K	Craven, Wm. M.	1	jr.	5CC	King, Wm. Julian.
5AL	Tilley, Wesley II.	5BE	Tonahill, Maurice.	5CE	Preis, Robert J.
5 <b>A M</b>	Brownell, Harold S.	5BF	Behre, Joseph C.	5CF	Uhalt, Wm. J.
5AN	Milam, Monroe W.	5BG	Parkes, Thos. L.	5CH	Hecker, Joseph L.
5AO	Mercier, Walter M.	5BH	Nebe, Harold G.	5CI	McKelvey, Walter G.
5AP	Thompson, Vance M.	5BI	Harrison, Jackson W.	5CJ	Gray, W. Parker.
5AQ	Goldstein, Henry R.	5BJ	Dye, Marvin M.	5CK	Cox, Houston A.
5AR	Moore, J. Walter.	5BK	Leroy, Louis.	5CL	Fitzgibbon, Rodger
5A8	Goodman, Louis	5BL	Marks, George M.		_K.
	Nathan.	5BM	De Ben, Hubert E.	5CN	Worner, Urban D.

#### FIFTH DISTRICT-Continued.

#### ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
5CO 5CP 5CR 5CR 5CU 5CU 5CU 5CY 5CY 5CZ 5DA 5DB 5DD 5DD 5DE 5DF 5DG	Bowling, James A. Ritker, Melvin. Cochran, Geo. D. Beauchamp, Fred. Churchill, Chas. Wm. Miller, Harold I Townsley, William Lloyd, jr. Holland, Jesse W. Ward, Robert P. Leroy, Louis. Mitchell, Erwin H. Wood, Ross. Sanders, William C. Harrel, David, jr. Ernest, Walter C., jr. Brooks, Junius B. Barr, Charles Sevier.	5DH 5DI 5DJ 5DJ 5DK 5DL 5DM 5DN 5DO 5DP 5DR 5DT 5DV 5DV 5DW 5DX 5DX	Andress, Max. Hanz, Harry W. Richard, Chas. Lee. Coleman, Jess B. Mount, Robert H. Reid, Kenneth M. Collins, Wm. A. Wolovwe, Wm. H. Geron, A. Blanchard. Stanton, Roy. Caine, Irving D. Reeves, Ben. Emerson, Bennett. Hunt, Martin L. Breaux, Oscar W. Ancell, Tom B. Downing, Roswell B. Cole, Harry B.	5EA 5EB 5EC 5EFF 5EEG 5EEL 5EEL 5EENN 5EEN 5EEP 5EER	McDonnell, J. E., ir. Carrie, Robert G. Reymond, Dalton S. Autry, James, jr. Baker, Charles M. Hudson, Edward M. Ansley, H. L. Craig, P. W. Hirsh, Leon H. Dowty, Albert. Harrison, Wm. Mace. Mottashed, Marvin H. Fort, Fred A. Barre, Rev. Martin. Holmes, Wesley S.

#### SIXTH DISTRICT.

[Headquarters: Customhouse, San Francisco, Cal. The sixth district comprises the States of California, Nevada, Utah, Arizona, and the Territory of Hawaii.]

#### ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power.
3.00			Kw.
6CB	Abbott, Clare C	4728 S. Western Ave., Los Angeles, Cal	1.0
6RQ	Abrahamson, Ray	4220 California St., San Francisco, Cal	
60A	Adams, Eugene R	Mountain View, Cal	.:
6PF	Allen, Preston D	1410 West St., Oakland, Cal	1.0
6OP	Altland, Comer P	662 Clayton St., San Francisco, Cal	
6ARC	Anderson, Andrew	25 Brazil St., San Francisco, Cal	.:
6CV	Anderson, Donald S. C	154 Texas St., Redlands, Cal	
6SW	Anderson, Elroy E	80 Barson St., Santa Cruz, Cal	
6MQ	Anderson, Sante H	Mayfield, Cal	
6AX	Anderson, William A	Mayfield, Cal. 828 Palos Verdes, San Pedro, Cal.	
6IS	Andrews, Carl	532 Hill St., Long Beach, Cal	
6GA	Andrews, Gaylerd	4734 Shattuck Ave., Oakland, Cal	.:
6KY	Andrews, Harold S	2221 W. Jefferson St., Los Angeles, Cal	
6GU	Anzini, Daniel I	Mountain View, Cal	
6BQ	Arbing, Bartley	353 S. 10th St., San Jose, Cal	
6HO	Ardenyi, William A	41 Greenbank Ave., Piedmont, Cal	.:
6FA	Arnberger, Frank, jr	3230 Garfield Ave., Alameda, Cal	1.0
6UA	Asadoorian, Theodore N	1205 Garfield Ave., Pasadena, Cal	
6AA	Aster, Alvin K	910 Chestnut St., Alameda, Cal	1.0
60V	Atkins, Carl	145 N. Hancock St., Los Angeles, Cal	1.0
6IC	Austin, Russel F	210 3d St., Riverside, Cal	
6NY	Bagley, William C	615 Johnson St., Santa Rosa, Cal	
6QX	Bagley, William C Baird, Maxfield A	913 Main St., Corona, Cal	
6LR	Baker, Jesse E	2913 Lorina St., Berkeley, Cal 1006 N. Main St., Napa, Cal	1.0
6DV	Bales, Edward M	1006 N. Main St., Napa, Cal.	
6RB	Barbagelata, Russell	604 42d St., Oakland, Cal	
6AO	Bargar, Avery E	Lawndale, Cal	.5
6QL	Barker, Waldo W	331 Lighthouse Ave., Pacific Grove, Cal	/ .5
6PX	Barlow, Roy	4219 Morgan Ave., Los Angeles, Cal	1.0
6TU	Barnett, Thomas T	384-B Capp St., San Francisco, Cal	1.5
6FJ	Barnum, Coit L	9034 Hillside Ave., Oakland, Cal	
6ID	Barton, Harry	437 Austin Ave., San Francisco, Cal	
6LB	Barton, Larry J	19 Crystal Springs Rd., San Mateo, Cal	1.0
6CB	Bascom, Carleton V	1020 E. 27th St., Los Angeles, Cal	
6IB	Bauchou Leon J	Mayfield, Cal	
6FG	Bauman, Warren C	New Castle, Cal 2734 Gough St., San Francisco, Cal.	1.0
6EB	Bazzini, Emil M. H	2734 Gough St., San Francisco, Cal	
6AAP	Beal, Ira A	Campbell, Cal	- 1
6AJ	Bean, James	755 University Ave., San Jose, Cal	
60N	Becker, Peter J	2722 Harvard Blvd., Los Angeles, Cal	
6NR	Belden, Marion	831 4th St., Santa Rosa, Cal	
6CU	Bell, Albert E	750 Summit Ave., Pasadena, Cal	1.0

# SIXTH DISTRICT—Coutinued.

Call signal.	Owner of station.	Location of station.	Power
			Kw.
6VL	Bell, Oran M	453 Isabel St., Los Angeles, Cal	0.
6VL 6AM	Benn, Julius A	453 Isabel St., Los Angeles, Cal. 921 Haight St., San Francisco, Cal.	
6AAR	Benn, Julius A	Santa Cruz Cal	
6VE	Benaldo, Dewey. Berringer, Hall Bertin, Edwin Betterley, Jack A Bevitt, Edwin R Bickel, John E Biddle, Charles J Billhimer, Samuel J Binney, John	Avalon, Cal. 6 Arundel Rd., Burlingame, Cal. 917 Ave. A, Coronado, Cal. 2500 Elm Ave., Long Beach, Cal.	
6WZ 6EW	Berringer, Hall	917 Ave A Coronado Cal	1.
6BL	Betterley Jack A	2500 Elm Ave. Long Reach Cal	:
6ABM	Bevitt, Edwin R.	2500 Ellin Ave., Doing baach, Cal 3914 3d St., San Diego, Cal R. F. D. No. 1, Whittier, Cal Berkley, Cal Colfax, Cal	
6WJ	Bickel, John E	R. F. D. No. 1, Whittier, Cal	1.
6EF	Biddle, Charles J	Berkley, Cal	
6EE	Billhimer, Samuel J	Colfax, Cal	
6JD 6BE	The table of the table of the table of the table of the table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of table of t	4000 Brighton Ave., Los Angeles, Cal	1.
6UD	Bitz Vernice M	825 W. 53d St. Los Angeles Cal	1.
6VH	Blackstone, Clifford M	1606 W. 50th St., Los Angeles, Cal.	-:
6VH 6AAW	Blauvelt, Frank E	466 E. California St., Pasadena, Cal	
6TG	Blodgett, Harry O	1953 Bonsallo Ave., Los Angeles, Cal	
6IJ 6DA	Boehme, Herbert L	1437 6th St., Santa Monica, Cal	1.
6KC	Bitz, Vernice M. Blackstone, Clifford M. Blauvelt, Frank E. Blodgett, Harry O. Boehme, Herbert L. Bolton, Harold B. Bolton, Herbert J. Bonar, Perry. Bonham, Carlton I. Botts, James.	417 Park View St. Los Apgeles Cal	
6FY	Bonar Perry	837 4th St. Santa Rosa Cal	
60H	Bonham, Carlton L	R. F. D. No. 1, Linden, Cal	
6AH	Botts, James	2644 23d Ave., Oakland, Cal	
6AH 6NN 6AL	Bowen, Walter E	22 Fairmount St., San Francisco, Cal. 25 W. 53d St., Los Angeles, Cal. 1606 W. 50th St., Los Angeles, Cal. 1606 W. 50th St., Los Angeles, Cal. 162 E. California St., Pasadena, Cal. 1935 Bonsallo Ave., Los Angeles, Cal. 1437 6th St., Santa Monica, Cal. 14300 Judah St., San Francisco, Cal. 1417 Park View St., Los Angeles, Cal. 187 4th St., Santa Rosa, Cal. 18. F. D. No. I, Linden, Cal. 2644 23d Ave., Oakland, Cal. 2110 Estrella St., Los Angeles, Cal. 214 W. San Carlos St., San Joše, Cal. 222 Grand Blvd., San Mateo, Cal.	:
6AL	Brandis, Fred A	214 W. San Carlos St., San Jose, Cal	1.
6RA	Brandt, Robert L	282 Grand Blvd., San Mateo, Cal. 285 Mather St., Oakland, Cal. 1430 Vallejo St., San Francisco, Cal. Marine Barracks, Mare Island, Cal. 1038 Balboa St., San Francisco, Cal.	1.
6ND 6KQ 6DP	Brennan Balph P	1430 Vallajo St., Cakland, Cal	1.
6DP	Briare, William N. ir	Marine Barracks, Mare Island, Cal.	
6GR	Brown, Clarence C	1038 Balboa St., San Francisco, Cal	
6WP	Brown, Norman C	Reno Power House, Reno, Nev	1.
6PZ 6ASR	Brown, Robert L	634 Franklin St., Napa, Cal	1.
6ASR 6VS	Bonham, Carlton L Botts, James Bowen, Walter E Brandis, Fred A Brandt, Robert L Breck, F. Bon Brennan, Ralph P Briare, William N., jr. Brown, Clarence C Brown, Norman C. Brown, Robert L Browning, Samuel D Brundige, Lamont J. and Reginald B. Bullard, Orlan K., jr.	Reno Power House, Reno, Nev 634 Franklin St., Napa, Cal 786 B St., Hayward, Cal. 114 E. Hadley St., Whittier, Cal	:
6RY	Bullard, Orlan K., jr Bumbaugh, Harold L Bunting, Howard S	1655 10th St., San Diego, Cal. Lémon Grove, Cal. 109 Forest Ave., Pacific Grove, Cal.	1.
6PC 6SO	Bumbaugh, Harold L	Lémon Grove, Cal	
6BJ	Bunting, Howard S	Contarville Col	1.
6LZ	Bunting, Lawrence. Burgess, Charles W. Caldwell, Duncan K. Callero, Frank. Calvert, Paul P. Canfield, Carleton E.	109 Forest Ave., Facinic Grove, Cal. Centerville, Cal. 506 N. Philadelphia St., Anaheim, Cal. 427 Crane Ave., Turlock, Cal. 7 Lisbon St., San Francisco, Cal. 124 W. Hazel St., Inglewood, Câl. 169 High St., Santa Cruz, Cal.	:
6DZ	Caldwell, Duncan K	427 Crane Ave., Turlock, Cal	
6AFC	Callero, Frank	7 Lisbon St., San Francisco, Cal	1.
6NX	Calvert, Paul P	124 W. Hazel St., Inglewood, Cal	1.
6CC	Cantelow Elbridge M	169 High St., Santa Cruz, Cal. 2515 Derby St., Berkeley, Cal. Monte Cresta Ave. and Kelton Court, Oakland, Cal. 427 S. Hunter St., Stockton, Cal.	
6BT 6AC	Canawall Cahart E	Monte Cresta Ave and Kelton Court, Oakland Cal	
6JQ	Carroll, Lionel H	427 S. Hunter St., Stockton, Cal.	:
6FM	Carroll, Russell W	354 Perry St., Oakland, Cal	1.
6BD	Carter, E. Stewart	1639 Formosa Ave., Los Angeles, Cal	
6NM 6VN	Carter, Kenneth L	633 W. H St., Colton, Cal	1.
6VN 6HE	Canfield, Carleton E. Cantelow, Elbridge M. Capewell, Cebert E. Carroll, Lionel H. Carroll, Russell W. Carter, E. Stewart. Carter, Kenneth L. Carter, Robert F. Castro, Morris. Chamberlain, George E.	727 S. Huller St., Stockton, Cal. 354 Perry St., Oakland, Cal. 1639 Formosa Ave., Los Angeles, Cal. 633 W. H. St., Colton, Cal. 101 Ralston St., Reno, Nev. 232 Lexington Ave., Rust, Cal.	
6QJ	Chamberlain, George E	121 N. 6th St., Sawtelle, Cal	1.
6IE	Chambers, James	232 Lexington Ave., Rust, Cal. 121 N. 6th St., Sawtelle, Cal. 427 Bank St., San Francisco, Cal. 1323 Lemon St., Riverside, Cal. R. F. D. No. 4, Santa Ana, Cal. 426 Palm Ave., Burbank, Cal. 578 16th St., Oakland, Cal. 2318 Bryant St., San Francisco, Cal. 1504 State St., San Diego, Cal. 160 E. 55th St., Los Angeles, Cal. 898 S. 8th St., San Jose, Cal. 100 S. Reservoir St., Pomona, Cal. 1602 S. Reservoir St., Pomona, Cal. 178 127 128 128 128 128 128 128 128 128 128 128	1.
6AP	Chase, John H	1323 Lemon St., Riverside, Cal	
6AP 6QR	Chase, John H Chase, Ralph N	R. F. D. No. 4, Santa Ana, Cal	1.
6TZ	Chase, Raiph N Christenson, Howard Clark, Herbert. Clark, James R Clark, Jean H Clark, John H Clark, Paul U Clements, Floyd P	426 Palm Ave., Burbank, Cal	:
6VM	Clark, Herbert	578 16th St., Oakland, Cal	:
6CE 6SB	Clark Joan H	1504 State St. San Diego Cal	
6JP	Clark John H	316 E. 55th St. Los Angeles Cal	
6AU	Clark, Paul U	898 S. 8th St., San Jose, Cal	1.
6QF	Clements, Floyd P	407 N. Milton Ave., Whittier, Cal	
6QE	Clewett, Heber H	1002 S. Reservoir St., Pomona, Cal	:
6RF	Closson, William	Orland, Cal	
6MK 6AAF	Collins Wayne A	788 19th St. Oakland, Cal	:
6LC	Clark, Paul U Clements, Floyd P Clewett, Heber H Closson, William Coates, Walton L Collins, Wayne A Comins, Frank L Cook, George W Cook, John A Cooksey, Clayborne D	634 Balboa St., San Francisco, Cal	
6CW	Cook, George W	208 27th St., Ogden, Utah	
6CW 6OD	Cook, John A	1504 Locust St., Long Beach, Cal	
6LS	Cooksey, Clayborne D	1246 Birch St., Los Angeles, Cal	
6DI	Cookson, Howard A	Sol 14th Ave., San Francisco, Cal	1.
6GE 6CL	Cooksey, Clayborne D. Cookson, Howard A. Corpe, G. S. Cosby, Mark B. Cosgrove, Clarence E.	Orland, Cal 3766 Chamcune Ave., East San Diego, Cal. 788 19th St., Oakland, Cal. 634 Balboa St., San Francisco, Cal. 208 27th St., Ogden, Utah 1504 Locust St., Long Beach, Cal. 1246 Birch St., Los Angeles, Cal. 361 14th Ave., San Francisco, Cal. El Monte, Cal. 356 Hobart Ave., Los Angeles, Cal. 356 Hobart Ave., Oakland, Cal. 28 Butler Ave., San Francisco, Cal.	
6FF	Cosgrove, Clarence E	435 Hanover Ave., Oakland, Cal.	
	Cowles, John	28 Butler Ave., San Francisco, Cal	

#### SIXTH DISTRICT—Continued.

Call	Owner of station.	Location of station.	Power
signal.	Owner of station.	Location of station.	Tower
			Kw.
6UP	Creswell, Frank, jr	831 W. 58th Pl., Los Angeles, Cal	0.
6QI 6AW	Crissman, Robert J	831 W. 58th Pl., Los Angeles, Cal	1
6NJ	Cullen, Paul K Cunningham, Edward J	Santa Clara Cal	1.0
6CF	Curtic Burhank	519 E. 9th St., Long Beach, Cal	
6KM	Dalby, William	2907 Hillegass Ave., Berkeley, Cal	1.0
6QT 6MO	Dalton, Stuart P	121 E. 23d St., Los Angeles, Cal	
6KN	Dalby, William Dalton, Stuart P Dargitz, Jesse L Davidson, George A	Near Acampo, Cal	1.0
6DE	Davidson, George A	462 W Grand Ave Pomona Cal	1.0
6HY	Davidson, Merritt T	1954 Hillcrest Rd., Hollywood, Cal	.5
60I	Dawson, J. Percy	Santa Clara, Cal.  519 E. 9th St., Long Beach, Cal.  2907 Hillegass Ave., Berkeley, Cal.  121 E. 23d St., Los Angeles, Cal.  Near Acampo, Cal.  Chula Vista, Cal.  462 W. Grand Ave., Pomona, Cal.  1954 Hillerest Rd., Hollywood, Cal.  763 Oakland Ave., Pasadena, Cal.  907 Valencia St., San Francisco, Cal.  Los Altos, Cal.	.5
$_{ m 6FD}^{ m 6UJ}$	Day, Elwin C	907 Valencia St., San Francisco, Cal	.5
6RD	Deardorff Ralph W	100   Valencia St., San Francisco, Cal.   Los Altos, Cal.   202 Cypress Ave., Santa Ana, Cal.   1535 6th St., Alameda, Cal.   160 W. San Carlos St., San Jose, Cal.   2015-A Sacramento St., San Francisco, Cal.   Piedmont Park. Oakland. Cal.   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   17	1.0
6FN	Deetkin, Frederick I	1535 6th St., Alameda, Cal.	.5
6AQ	De La Cruz, George	706 W. San Carlos St., San Jose, Cal	.5
6AD	Diamond, Alfred	2015-A Sacramento St., San Francisco, Cal	.5
6LK	Diamond, Ray	Piedmont Park, Oakland, Cal	1.0
6KA 6HD	Dicknow, Henry W.	413 26th Ave., San Francisco, Cal	.5
$6\mathrm{KL}$	Davidson, George A Davidson, James D. Davidson, Merritt T. Dawson, J. Percy. Day, Elwin C. Deardorf, Francis H Deardorf, Francis H Deatkin, Frederick I. De La Cruz, George. Diamond, Alfred Diamond, Ray. Dickey, Herbert A Dicknow, Henry W Diehl, Fred. Dieterich, Martin. Dietz, Irwin C.	Piedmont Park, Oakland, Cal.         122 Dracena Ave., Piedmont, Cal.         413 26th Ave., San Francisco, Cal.         348 Coleridge St., San Francisco, Cal.         430 E. 12th St., Los Angeles, Cal.         136 S. Griffin Ave., Los Angeles, Cal.         317 S. Norton Ave., Los Angeles, Cal.         724 N. Chester St., Pasadena, Cal.         1115 Cole St., San Francisco, Cal.         Rve. Cal.	.5
6RX	Dieterich, Martin	430 E. 12th St., Los Angeles, Cal	.5
6TB	Dietz, Irwin C	136 S. Griffin Ave., Los Angeles, Cal	1.0
60K 60Y	Dodson, Lovd O	724 N. Chester St., Pasadena, Cal.	.5
6KE	Dogan, Kenneth	1115 Cole St., San Francisco, Cal	.5
6ARD	Dow, Clifford J	Rye, Cal	1.0
6TD 6RG	Dowling, Thomas L	1520 E. 17th St., Oakland, Cal.	.5
6PO	Drath, Walter J	682 34th St., Oakland, Cal	.5
6LQ	Duborg, George	845 Sierra St., Reno, Nev	.5
6DG	Duffey, Guy H	1622 W. 24th St., Los Angeles, Cal	.5
$_{ m 6KD}^{ m 6KD}$	Duncan, Harold	Rye, Cal 1520 E. 17th St., Oakland, Cal. 130 W. 1st St., San Diego, Cal. 682 34th St., Oakland, Cal. 845 Sierra St., Reno, Nev 1622 W. 24th St., Los Angeles, Cal. 131 W. Jefferson St., Los Angeles, Cal.	1.0
6WX	Ebert, Howard W	455 Orchard St., San Jose, Cal.	.5
6MU	Dietz, Irwin C. Dillon, Lyle Dodson, Loyd O. Dogan, Kenneth. Dow, Clifford J. Dowling, Thomas L. Downs, Robert F. Drath, Walter J. Duborg, George. Duffey, Guy H. Duncan, Harold. Dutton, Kingsley. Ebert, Howard W. Eddy, Myron F. Edwards, Lewis W. Eiferle, Chris. F. Emmerton, Alfred. Eriksen, Elwood C. Erler, Robert J.	1022 W. 24th St., Los Angeles, Cal. 131 W. Jefferson St., Los Angeles, Cal. 453 Orchard St., San Jose, Cal. 1455 Orchard St., San Jose, Cal. 1232 Alice St., Oakland, Cal. 1038 Boulevard Ave., Fruitville, Cal. 1078 Boulevard Ave., Fruitville, Cal. 1078 St. 4th St., Sawtelle, Cal. 1078 St. 4th St., Sawtelle, Cal. 1078 St. 4th St., Sawtelle, Cal. 1078 St. 4th St., Sawtelle, Cal. 1078 St. 4th St., Sawtelle, Cal. 1078 St. 4th St., Sawtelle, Cal. 1078 St. 4th St., Sawtelle, Cal. 1078 St. 4th St., Sawtelle, Cal. 1078 St. 4th St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 1078 St., Sawtelle, Cal. 10	.5
6SN	Edwards, Lewis W	908 Wilshire Blvd., Sawtelle, Cal	.5
SEK STO	Emmerton Alfred	167 S 4th St Sawtelle Cal	1.0
6TQ 6ALC	Eriksen, Elwood C	358 Lisbon St., San Francisco, Cal.	.5
6LM	Erler, Robert J	1142 Santa Clara St., Vallejo, Cal	.5
6DL 6ABO	Espe, Oliver E	4326 S. Grand Ave., Los Angeles, Cal	.5
SAHE	Evans Herbert	Lemon Grove Cal	.5
6FI 6UY	Eveleth, Harlan A	2805 Russell St., Berkeley, Cal	.5
6UY	Eriksen, Elwood C Erler, Robert J Espe, Oliver E Evans, Charles C Evans, Herbert Eveleth, Harlan A Everharty, Laurence Fabian, Ernest Fabling, Walter D. Fackrell, George O Farish, Edward P Farmer, Gordon	254 N. Soto St., Los Angeles, Cal	.5
6TH 6WH	Fabian, Ernest	1368 20th Ave., San Francisco, Cal	.5
6GD	Fackrell George O	Cooperstown Cal	.5
6ED	Farish, Edward P	1609 W. Lewis St., San Diego, Cal	.5
6GF	Farmer, Gordon	Burbank, Cal.  289 Chenery St., San Francisco, Cal.  289 Pacífic Ave., Alameda, Cal.  2230 9th St., Berkeley, Cal  4326 Balboa St., San Francisco, Cal.  338 Masonic Ave., San Francisco, Cal.  43 Vallejo St., Napa, Cal.  Bostonia, Cal.  Bostonia, Cal.	.5
6LT 6TR	Farolita, Dominic A	289 Unenery St., San Francisco, Cal	1.0
6IF	Farolita, Dominic A	2230 9th St., Berkeley, Cal.	.5
6UV	Fassett, Lee	4326 Balboa St., San Francisco, Cal	.5
6ET	Fenner, Paul R	1338 Masonic Ave., San Francisco, Cal	.5
6CO 6HV	Ferrero, Henry D	43 Vallejo St., Napa, Cal	.5
6PP	Ferrill, William	El Cajon, Cal	.5
6BZ	Fickas, Wilbur	1035 E. 1st St., Santa Ana, Cal	.5
6QD	Faswell, Lee Fenner, Paul R Ferrero, Henry D Ferrill, Herbert E Ferrill, William Fickas, Wilbur Finley, William E Ettroptipk, Garald H	441 S. 5th St., San Jose, Cal	.5
6MF	Flitzpatrick, Gerald H	2012 Pold St., San Diego, Cal	.5
$_{ m 6QH}$	Fleming, Robert P.	Bostonia, Cal. El Cajon, Cal. 1035 E. 1st St., Santa Ana, Cal. 441 S. 5th St., San Jose, Cal. 2012 Pold St., San Diego, Cal. 43 Mizpah Ave., San Francisco, Cal. 606 San Benito St., Los Angeles, Cal. 2610 Valdez St., Oakland, Cal.	.5
6SQ.	Fonseca, Arthur	2610 Valdez St., Oakland, Cal	.5
6WF	Ford, Walter B	3653 Arnold St., San Diego, Cal.	. 0
$_{ m 6FQ}^{ m 6JF}$	Fitzpatrick, Gerald H Flaig, Philip F Fleming, Robert P Fonseea, Arthur Ford, Walter B Forsburg, Joe A Foster, Harold M. Foster, Lawis K	630 Culver St. Orange Cal	.5
60D	Foster, Lewis K	3452 16th St., San Francisco, Cal.	.5
6FV	Foulon, Fred	423½ E. 29th St., Los Angeles, Cal	1.0
6VG 6NQ	Fowler, L. Deane	1027 6th St., Redlands, Cal	.5
6FK	Foulon, Fred. Fowler, L. Deane. Francis, Ernest R. Frank, Walter H. Fredrichson, Clarence J. Frizzi, William	606 San Benito St., Los Angeles, Cal. 2610 Valdez St., Oakland, Cal. 3653 Arnold St., San Diego, Cal. 1734 Sonoma Ave., Berkeley, Cal 630 Culver St., Orange, Cal. 3452 16th St., San Francisco, Cal. 4233 E. 29th St., Los Angeles, Cal. 1027 6th St., Redlands, Cal. Mountain View, Cal. 465 18th St., San Diego, Cal. Rio Vista, Cal. Larkspur, Cal.	.5
6HN	Fredrichson, Clarence J	Rio Vista, Cal	.5
6FX	Frizzi William	Larkspur Cal	.5

# RADIO STATIONS OF THE UNITED STATES.

# AMATEUR RADIO STATIONS-Continued.

# SIXTH DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Power
			Kw.
6SF	Fufler, Sidney Furman, Oliver G Gabriel, Edward J	1718 S. Main St., Los Angeles, Cal	0.
6PI	Furman, Oliver G	5528 Echo St., Los Angeles, Cal	1.
6RM	Gabriel, Edward J	5528 Echo St., Los Angeles, Cal. 657 Guerrero St., San Francisco, Cal.	
6PJ	Gale Pani B	Lemon Grove, Cal	
6QU 6RW	Garrettson, Oliver	Lemon Grove, Cal. 911 Jane St., Los Angeles, Cal. 1960 Vista del Mar, Hollywood, Cal	
6UH	Gates Howard C	Pomona, Cal	1.
SNG	Gerlach Leonard I	Point Richmond, Cal	1.
BUS	Gerlach, Leonard J Gibson, Walter L Gilbert, Phillip H Gill, Fred M Gilstrap, L. Frederick Godwin, Merle H Gottweld, Frederick	2324 Dennison St., East Oakland, Cal	
SAAG	Gilbert, Phillip H	387 W. 8th St., Pomona, Cal	î
SQK	Gill, Fred M	2324 Dennison St., East Oakland, Cal. 387 W. 8th St., Pomona, Cal. 2715 4th St., Ocean Park, Cal. 517 N. Curtis Ave., Alhambra, Cal. 19 Grigsby Court, Napa, Cal. 404 S St., Eureka, Cal. 560 D St., San Rafael, Cal. 486 E. 49th St., Los Angeles, Cal. Stevens Creek Rd., San Jose, Cal. 221 E. Anderson St., Stockton, Cal. 317 E. 49th St., Los Angeles, Cal. 313 Lighthouse Ave., Monterey, Cal. 516 W. San Carlos St., San Jose, Cal.	1
AAH	Gilstrap, L. Frederick	517 N. Curtis Ave., Alhambra, Cal	
BM	Godwin, Merle H	19 Grigsby Court, Napa, Cal	
NC NC	Gottwald, Eugene A	404 S St., Eureka, Cal	
BG	Grates John	486 F 49th St. Los Angeles Col	
LP	Gray, Clifford L	Stevens Creek Rd., San Jose, Cal	
SAI	Green, Alfred	221 E. Anderson St., Stockton, Cal	
AAK	Green, Carl V., jr	317 E. 49th St., Los Angeles, Cal	1
GC	Greene, Harry A	313 Lighthouse Ave., Monterey, Cal	1
AR	Greenquist, Elmer A	516 W. San Carlos St., San Jose, Cal. 554 5th St., San Diego, Cal.	
ME	Green, Alfred. Green, Carl V., jr. Greene, Harry A. Greenquist, Elmer A. Gregory, Marshall. Griffin, Ellis J. Griffith, Waltor M.	554 5th St., San Diego, Cal	
AEG	Griffith William M	East Auburn, Cal	
IA	Griffiths Walter M	1022 1st St. Nana Cal	1
DH	Griffiths, Walter M	1022 1st St., Napa, Cal. 103 N. Pasadena Ave., Pasadena, Cal. Lordsburg, Cal.	1
GN	Grossnickle, Russell R	Lordsburg, Cal.	
GN IK	Grossnickle, Russell R Grotzinger, Clarence E		
TL	Grow, Frank Guidotti, William F. Hamilton, Howard B. Hamilton, Otto J. Hanchett, Robert J. Hankins, Marvin J.	232 Lake Shore Ter., Los Angeles, Cal. 745 W. San Fernando St., San Jose, Cal. 1218 N. 6th St., Redlands, Cal. 1638 Bancroft Way, Berkeley, Cal.	1
DN	Guidotti, William F	745 W. San Fernando St., San Jose, Cal	
PU PM	Hamilton, Howard B	1218 N. 6th St., Redlands, Cal	
RI	Hamilton, Otto J	Nestor, Cal	
KV	Hanking Marvin I	448 8th St. San Padro Cal	
HX	Hare Robert J	1238 W. 38th St. Los Angeles Cal	
TZ	Harmon, Orville A	448 6th St., San Pedro, Cal. 1238 W. 38th St., Los Angeles, Cal. 2742 35th Ave., Oakland, Cal. Ogden High School, Ogden, Utah.	
AJA	Harris, Howard D	Ogden High School, Ogden, Utah	1
SL	Harkins, Marvin J Hare, Robert J Harmon, Orville A Harris, Howard D Hart, Cedric E Hart, Gardner L	718 6th Ave., Salt Lake City, Utah	1
HG	Hart, Gardner L	3785 Albatross St., San Diego, Cal	
CG LD	Harty, Courtenay E	100 W 20th Area Los Angeles, Cal	
OU	Hawley George N	1257 Cypress Ave. Los Angeles, Cal	
GK	Hayden, Gordon L	1456 C St., Eureka, Cal.	
JO	Hayden, Jack	246 N. 22d Ave., Los Angeles, Cal	
IH	Hazleton, Ralph L	51 Pryce St., Santa Cruz, Cal	
UK	Harty, Courtenay E. Haskell, Charles G. Hawley, George N. Hayden, Gordon L. Hayden, Jack. Hazleton, Ralph L. Heald's Business College.	Ogden High School, Ogden, Utah. 718 6th Ave, Salt Lake City, Utah. 3785 Albatross St., San Diego, Cal. 5167 S. Wilton Pl., Los Angeles, Cal. 128 W. 30th Ave., Los Angeles, Cal. 1257 Cypress Ave., Los Angeles, Cal. 1456 C St., Eureka, Cal. 246 N. 22d Ave., Los Angeles, Cal. 51 Pryce St., Santa Cruz, Cal. San Francisco, Cal. 374 22d Ave. San Francisco, Cal.	
AAC	Heaney, Clarence M	374 22d Ave., San Francisco, Cal	100
AT DB	Heer, Alphonsus A., Jr	134 Marsh Ave., Keno, Nev	
ABC	Hellikson Vivian I.	1230 W 49th St. Los Angeles Cal	1
UI	Heaney, Clarence M. Heer, Alphonsus A., jr. Heitshusen, Dick. Hellikson, Vivian L. Helmer, Glenn. Hemmenway, Clyde C. Handriy, Charles F.	San Francisco, Cal. 374 22d Ave., San Francisco, Cal. 134 Marsh Ave., Reno, Nev. 115 Hermina St., Anaheim, Cal. 1230 W. 49th St., Los Angeles, Cal. 343 N. Comstock Ave., Whittier, Cal. 1407 Vermont St., San Francisco, Cal. 2214 E. Damon St., Los Angeles, Cal. 1468 47th Ave., San Francisco, Cal. 254 11th Ave., San Francisco, Cal. 2097 W. 29th St., Los Angeles, Cal. 156 Bellefontaine St., Pasadena, Cal. 2905 S. Hoover St., Los Angeles, Cal. 162 W. Alvarado St., Pomona, Cal. 113 Formosa Ave., Hollywood, Cal. 808 Humboldt St., Santa Rosa, Cal. 1423 McKinley St., Los Angeles, Cal. Sultana, Cal.	
AAB	Hemmenway, Clyde C	1407 Vermont St., San Francisco, Cal	1
CN PV	Hemmenway, Clyde C. Hendrix, Charles F. Henn, Charles W. Henry, William J. Heppenstall, Wilton L. Herman, Edward W. Hibbard, Charles H., jr. High, Freeman A., jr. Hillen, Russell W. Higgy, Robert C. Hollingsworth, D. R.	2214 E. Damon St., Los Angeles, Cal	1
PV	Henn, Charles W	1468 47th Ave., San Francisco, Cal	
QS	Henry, William J	554 11th Ave., San Francisco, Cal	
NU RR	Herman Edward W	735 10th St. San Diego Col	
DC	Hibbard Charles H ir	156 Rellefontaine St. Pasadena Cal	
FL	High Freeman A ir	2905 S. Hoover St., Los Angeles, Cal.	1
CI	Hillen, Russell W	162 W. Alvarado St., Pomona, Cal	1
DM	Higgy, Robert C	1143 Formosa Ave., Hollywood, Cal	1
HH	Hollingsworth, D. R	808 Humboldt St., Santa Rosa, Cal	
JG	Homand, James A	1423 McKinley St., Los Angeles, Cal	
MI EJ	Houtz Fugere P	Sultana, Cal	
SI	Hoyt Leander L	248 Main St. Hayward, Cal	1
TE	Hollingsworth, D. R. Homand, James A. Hooper, Herbert D. Houtz, Eugene R. Hoyt, Leander L. Hueter, Noble G.	Sultana, Cal. 1544 Webster St., Oakland, Cal. 248 Main St., Hayward, Cal. 1434 Jones St., San Francisco, Cal.	
JY		San Fernando, Cal	1
HB	Hunt, Homer G	1740 96th Ave., Oakland, Cal	1
LH	Hunt, Homer G Hunt, Lloyd F	824 W. 35th Pl., Los Angeles, Cal	1
IU	Hutchinson, Howard W Isaacs, Louis R	614 S. Brand Blvd., Glendale, Cal	1
LI	Isaacs, Louis R	1200 Regent St., Alameda, Cal	1
FC KF	Isham, Carlton Jackson, Milton S Jennings, John W Johnson, Alfred E	1433 Jones St., San Francisco, Cal. San Fernando, Cal. 1740 96th Ave., Oakland, Cal. 224 W. 35th Pl., Los Angeles, Cal. 614 S. Brand Blvd., Glendale, Cal. 1200 Regent St., Alameda, Cal. 1232 96th Ave., Oakland, Cal. 8333 17th St., San Diego, Cal. 3427 30th St., San Diego, Cal. 1030 Delaware St., Berkeley, Cal.	
JK SX	Jennings John W	3427 30th St. San Diego Cal	
Colonia.	T. L. T. T.	1000 Delemens Ct. Deskelen Col	)

#### SIXTH DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Pow
			Ku
6TP	Johnson, Harold M Johnson, Philip Johnson, Roy	15 King St., San Jose, Cal. 475 California St., Pasadena, Cal. 414 Main St., Los Angeles, Cal.	
6GS	Johnson, Philip	475 California St., Pasadena, Cal	
6AEA	Johnson, Roy	414 Main St., Los Angeles, Cal	
6MY	Johnston, Robert	734 K St., Eureka, Cal.	
6GV 6KI	Jones, Alfred H. Jones, Ernest P. Jopson, Frank. Josephs, Howard.	114 Main St., Los Angeles, Cal. 1734 K St., Eureka, Cal. 1962 D Ave., Coronado, Cal. 18. F. D., Auburn, Cal. 1828 S. 11th St., San Jose, Cal. 1820 Webster St., Oakland, Cal. 1820 Webster St., Oakland, Cal. 1820 Atlantic Ave., Long Beach, Cal. 1820 St., Los Angeles, Cal. 1821 St., Los Angeles, Cal. 1823 Loma Drive, Los Angeles, Cal.	
6MB	Jones, Ernest I	222 S 11th St San Iosa Col	
BSY	Josephs Howard	1520 Webster St Oakland Cal	
6OM		56 20th Ave San Francisco Cal	
SUF	Kemp Thomas J	950 Atlantic Ave. Long Beach, Cal	63
BRK	Kelley, Roger M	399 S. Wilson Ave., Pasadena, Cal	
SVK	Kemp, Victor H	803 E. 28th St., Los Angeles, Cal	25.63
6RK 6VK 6CQ	Kemp, Thomas J. Kelley, Roger M. Kemp, Victor H. Kemper, Horace I. Kern County High School. See Ludden A. J.	173½ Loma Drive, Los Ángeles, Cal	
6Q.V	See Ludden, A. J. Kimm, George N	2502 Q St., Bakersfield, Cal	50
6QV 6VJ.	Kinsman, Joseph W Klahn, Leander Knight, James B	2502 Q St., Bakersfield, Cal	11 1
6J J	Klahn, Leander	27 Chenery St., San Francisco, Cal	126
6JA	Knight, James B	125 Stanislaus Ave., Modesto, Cal	145
6GT	Knudsen, George	418 Banks St., San Francisco, Cal	
БЈН	Knudsen, George Koepfli, Joseph B Kramer, Augustus A	2000 WHISHIFE BIVG., LOS Angeles, Cal	1498
BUE	Kreemer John A in	222 W 22d St. Los Angeles Coi	
6HA 6VY	Kreamer, John A., jr Kreiss, Rudolph L	1062 Stannage Ave Berkeley Cal	1
RPL	Kubias Rudolph M	457 Alta St., Redlands, Cal	1
BPL BJC	Kubias, Rudolph M Kulish, John J., jr Kroman, Robert Ladley, William A	3467 Arroyo Seco Ave., Los Angeles, Cal. 27 Chenery St., San Francisco, Cal. 125 Stanislaus Ave., Modesto, Cal. 418 Banks St., San Francisco, Cal. 2600 Wiltshire Blvd., Los Angeles, Cal. 1605 6th St., Coronado, Cal. 222 W. 33d St., Los Angeles, Cal. 1062 Stannage Ave., Berkeley, Cal. 457 Alta St., Redlands, Cal. Branham Rd., Campbell, Cal. Nana, Cal.	1
BOF	Kroman, Robert.	Napa, Cal.	
6LY	Ladley, William A	Napa, Cal Napa, Cal	
6BX	Lankston, J. M	152 Ohio Ave., Sawtelle, Cal	1
6DR	Lankston, J. M. Laverty, Finley B. Latta, Paul Lauritsen, Albert M.	152 Ohio Ave., Sawtelle, Cal. 5332 Abbott Pl., Los Angeles, Cal. 2158 Woolman Ave., San Diego, Cal.	100
6PK 6MW	Latta, Paul	2158 Woolman Ave., San Diego, Cal	1
6MW	Lauritsen, Albert M	2158 Woolman Ave., San Diego, Cal. Napa, Cal. 134 N. Johnstone St., Los Angeles, Cal. 1580 Grove St., San Francisco, Cal. 283 25th Ave., Los Angeles, Cal. 648 4th St., San Bernardino, Cal. 243 Bonfiew Ave., San Francisco, Cal. 827 2d St., Santa Monica, Cal. 912 Indian Rock Ave., Berkeley, Cal. 5t. Helena, Cal.	1
6LG	Lee, George R	134 N. Johnstone St., Los Angeles, Cal	100
6TM	Lee, Howard R	1580 Grove St., San Francisco, Cal	300
6TM 6VO 6IZ	Lauritsen, Albert M Lee, George R. Lee, Howard R Lee, John A Leeper, Ernest W Le Fevre, Eugene Leigh, Philip P Leland, Wallace H Lewis Herrison E	648 4th St. Son Barnardino Cal	100
6EL	Le Feyre Eugene	243 Ronfiew Ave. San Francisco Cal	136
6VF	Leigh, Philip P	827 2d St. Santa Monica, Cal	1
6WL	Leland, Wallace H	912 Indian Rock Ave., Berkeley, Cal	
6WL 6IN	Lewelling, Raymond	St. Helena, Cal.	17.3
6EC	Lewis, Harrison E	3299 Briggs Ave., Alameda, Cal	20
6LE	Lewis, Harrison E. Lewis, Tony D. Linhoff, Harold R.	1054 Cotton St., Oakland, Cal	33
$6\mathrm{HL}$	Linhoff, Harold R	417 Winona Ave., Pasadena, Cal	(9)
6UR_	Link, Ralph L	1520 Annan Way, Los Angeles, Cal	1
6AAJ	Linville, Charles R	307 N. Curtis Ave., Alhambra, Cal.	1
6JN	Livesay, J. Russell	1510 Crommorov Pl. Los Angeles Cal	100
6MH 6IF	Logan, Hugh H	1029 Irving Ave Fost Oakland Cal	17 34
011	Link, Ralph L. Linville, Charles R. Livesay, J. Russell. Logan, Hugh H. Lohry, Ross B. Long Beach Polytechnic School. See Polytechnic High School	912 Indian Rock Ave., Berkeley, Cal. St. Helena, Cal. 3299 Briggs Ave., Alameda, Cal. 1054 Cotton St., Oakland, Cal. 417 Winona Ave., Pasadena, Cal. 1520 Annan Way, Los Angeles, Cal. 307 N. Curtis Ave., Alhambra, Cal. 446 Palo Alto Ave., Palo Alto, Cal. 1519 Grammercy Pl., Los Angeles, Cal. 1932 Irving Ave., East Oakland, Cal.	
OCH	T TISH DOMOOT.	100 N. Nama 10th Ct. Com Tone Col	
6GX	Long, Herman D	1645 S. Now Hampshire St. Los Angeles Cal	100
6SJ 6LO	Long, Herman D Lopez, John Lory, C. S Loudon, Donald F Lowell, Charles H., jr Ludden, A. J Ludlow, William B Lundy, Elmer C Lynde, Laurence F Lyon, John D McFarlane, Thomas R Mackin, George R	402 N. New 18th St., San Jose, Cal. 1645 S. New Hampshire St., Los Angeles, Cal. 3841 7th St., San Diego, Cal. 3904 This Court, San Diego, Cal. 1403 Martel Ave., Los Angeles, Cal. Bakersfield, Cal.	18 5
6VD	Loudon Donald F	3904 This Court, San Diego, Cal	16.5
6VD 6CA	Lowell, Charles H., ir	1403 Martel Ave., Los Angeles, Cal	1
6GZ	Ludden, A. J.	Bakersfield, Cal	
6WM 6CY	Ludlow, William B	2320 Cedar St., Berkeley, Cal	
	Lundy, Elmer C	592 N. 17th St., San Jose, Cal	1
6SE	Lynde, Laurence F	Huntington Drive, Los Angeles, Cal	
6AAL	Lyon, John D	1141 Mendocino St., Altadena, Cal	1
6MD	McFarlane, Thomas R	904 S. Kingsley Drive, Los Angeles, Cal	1
6GM 6MV	MacKin, George R	202 Glorietta Blyd, Coronado Cal	1
6SH	Macquarria Harold C	405 E. Fremont St. Stockton Cal	1
6MX	Macurda Malcolm	1714 Harvard Blyd., Los Angeles, Cal.	1
6MN	Maher, Edward T	3409 Grove St., Oakland, Cal.	1
6IL	Mahler, James J., ir.	1403 Martel Ave., Los Angeles, Cal Bakersfield, Cal. 2320 Cedar St., Berkeley, Cal. 592 N. 17th St., San Jose, Cal. Huntington Drive, Los Angeles, Cal. 1141 Mendocino St., Altadena, Cal. 954 S. Kingsley Drive, Los Angeles, Cal. 382 Glorietta Blyd., Coronado, Cal. 392 Glorietta Blyd., Coronado, Cal. 405 E. Fremont St., Stockton, Cal. 1714 Harvard Blyd., Los Angeles, Cal. 3340 Grove St., Oakland, Cal. 233 Hawthorne St., San Diego, Cal. 29 Saturn St., San Francisco, Cal. 719 Page St., San Francisco, Cal. Saratoga, Cal.	1
6AAD	Mahn, Erich G	29 Saturn St., San Francisco, Cal.	
6GG	Malarin, Henry J	719 Page St., San Francisco, Cal	1
6WT	Mann, Frank W	Saratoga, Cal	1
6WT 6IP	Marsh, Hallan N	1995 W Brookes Ave San Diego Cal	
6OX	McFarlane, Thomas R. Mackin, George R. MacMullen, Gerald. Macquarrie, Harold C. Macurda, Malcolm Maher, Edward T. Mahler, James J., jr. Mahn, Erich G. Malarin, Henry J. Mann, Frank W. Marsh, Hallan N. Martin, Andrew W., jr. Martin, Neal D. Martin, Neal D. Martinelli, Ennio.	894 Waller St., San Francisco, Čal. 2018 Delaware St., Berkeley, Cal. 953 Mission Ave., San Rafael, Cal. 7364 Hollywood Blvd., Los Angeles, Cal.	1 3
6KS 6WD 6BO	Martin, Neal D	2018 Delaware St., Berkeley, Cal	

#### SIXTH DISTRICT-Continued.

#### ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call signal.	Owner of station.	Location of station.	Powe
			Kw
BBB	Mattox, Harry D	260 W. 11th St., Pomona, Cal Orosi, Cal	1
BBB	May, Howard E	Orosi, Cal	
BUW	Maynes, Walter W	1903 Bonita Ave., Berkeley, Cal	
SMS	McArdle, James J	263 Day St., San Francisco, Cal	
JM	McCardne, James J. McCardne, John J. McCarthy, John J. McCreery, Maurice. McDonald, Byron C. McFern, Arthur L.	1413 16th St., Oakland, Cal.  3913 26th St., San Francisco, Cal.  700 W. 32d St., Los Angeles, Cal.  85 S. El Molino St., Pasadena, Cal.  1652 Berendo St., Los Angeles, Cal.  1247 47th Ave., San Francisco, Cal.  55 Dayne St. San Francisco, Cal.	1
GH	McCarthy, John J	3913 26th St., San Francisco, Cal	
IX PJ TO	McCreery, Maurice	700 W. 32d St., Los Angeles, Cal	
PJ	McDonald, Byron C	85 S. El Molino St., Pasadena, Cal	
TO	McFern, Arthur L	1652 Berendo St., Los Angeles, Cal	
MC	McGown, Dudley B		
EM	McGuire, Edward		
EZ	McHolland, Raymond	2000 Onegon Pt Top Angelog Col	
HJ	McIntosh, Harold S.	249 Bixel St., Los Ange-es, Cal	
HJ	McLaren, Alfred	534 W. 49th St., Los Angeles, Cal	
JE	McLaren, Alfred Mead, John H	249 Bixel St., Los Angeles, Cal. 249 Bixel St., Los Angeles, Cal. 534 W. 49th St., Los Angeles, Cal. 7231 Hollywood Blvd., Los Angeles, Cal. Walnut Grove, Cal.	
KU	Mealer, Loyal D	Walnut Grove, Cal	
BN	Mentzer, Leonard	4416 23d St., San Francisco, Cal	
DI	Merritt, Lawrence G	252 Clinton St., Pasadena, Cal	
JW	Meyer, Joseph U	804 40th St., Oakland, Cal	
EU	Mealer, Loyal D. Mentzer, Leonard. Merritt, Lawrence G. Meyer, Joseph U. Michelson, Melvin O.	530 Franklin St., Napa, Cal	
SQY			
JW SEU SQY SAK	Miller, Albert. Miller, Elmer. Miller, Murray R Miller, Roy A Miller, Walter G Mills, Eldon C. Mills, Harry D		
EN	Miller, Elmer	1346 La Brea St., Los Angeles, Cal	
REP	Miller, Murray R	15 E. Central Ave., Redlands, Cal	
BRJ	Miller, Roy A	R. F. D., Ione, Cal	
BRJ BKT BKJ	Miller, Walter G	18 Hester Ave., San Jose, Cal	
KJ	Mills, Eldon C	425 Orchard St., San Jose, Cal	
BU		245 Lime St., Riverside, Cal	
BRC	Moebius, Russell F. Moller, William, jr. Montgomery, Alvin R.	63 N. State St., Murray, Utah	
BWB BMA	Moller, William, jr	426 29th St., Oakland, Cal	
3MA	Montgomery, Alvin R	2303 Pacific Ave., Alameda, Cal	
BI	Moore, Ezra	108 11th St., Redlands, Cal	
BMM	Moore, Norval E	652 E. Culver St., Orange, Cal	
SSS	Morrow, James W	389 63d St., Oakland, Cal	
вмт	Moore, Ezra Moore, Norval E. Morrow, James W. Mount Tamalpais Military Academy.	1346 La Brea St., Los Angeles, Cal. 15 E. Central Ave., Redlands, Cal. 16 E. Central Ave., Redlands, Cal. 18 Hester Ave., San Jose, Cal. 18 Hester Ave., San Jose, Cal. 245 Corchard St., San Jose, Cal. 245 Lime St., Riverside, Cal. 63 N. State St., Murray, Utah. 242 29th St., Oakland, Cal. 2303 Pacific Ave., Alameda, Cal. 108 11th St., Redlands, Cal. 652 E. Culver St., Orange, Cal. 389 63d St., Oakland, Cal. San Rafael, Cal.	
BIW	Muller, Lloyd	832 Haight St., San Francisco, Cal	
DK	Muller, Lloyd	2418 Eagle Ave. Alameda Cal	
FU		Nordhoff, Cal.	
BV	Munzig, Arthur	217 Tribune St., Redlands, Cal	
PR	Murkett, Philip T	126 W. Olive Ave., Redlands, Cal	
BHM	Murphy, Harold J	Mountain View, Cal.	
SQA	Myers, Harry	3215 N. Broadway, Los Angeles, Cal	
KK	Neff, Cecil	3751 Albatross St., San Diego, Cal	
SQA SKK STA	Nelk, Teddy J	848 E. 28th St., Los Angeles, Cal.	
RPH	Nelson, Harry W	269 E. 50th St., Los Angeles, Cal.	
SQG SPN SAG	Munzig, Claude D. Munzig, Arthur. Murkett, Philip T. Murphy, Harold J. Myers, Harry. Neff, Cecil. Nelk, Teddy J. Nelson, Harry W. Nelson, Martin A. Nesbit, Paul T. Neuser, Arthur A.	217 Tribune St., Redlands, Cal.   126 W. Olive Ave., Redlands, Cal.   Mountain View, Cal.   3215 N. Broadway, Los Angeles, Cal.   3751 Albatross St., San Diego, Cal.   484 E. 28th St., Los Angeles, Cal.   269 E. 50th St., Los Angeles, Cal.   1075 Alverado St., San Leandro, Cal.   R. F. D. No. 1, Acampo, Cal.   1	
BPN	Nesbit, Paul T	R. F. D. No. 1, Acampo, Cal. 280 N. 22d Ave., Los Angeles, Cal.	
BAG	Neuser, Arthur A	280 N. 22d Ave., Los Angeles, Cal	
INS	Navilla Glan	417 S. 1st St., San Jose, Cal	
BAHN	Nawnan Harold L.	417 S. 1st St., San Jose, Cal. 2242 San Jose Ave., Alameda, Cal. 100 Benita Ave., Piedmont, Cal.	
NF	Newton, Francis L	100 Benita Ave., Piedmont, Cal	
BHQ	Newton, Francis L. Newton, Henry G. Nickels, Lee. Nickle, Harold A.	100 Benita Ave., Piedmont, Cal. Coronado, Cal. 985 8th St., Oakland, Cal. Minnesota St., Glendora, Cal.	-
HQ WK QM	Nickels, Lee	985 8th St., Oakland, Cal	
SQM	Nickle, Harold A	Minnesota St., Glendora, Cal	
OR	Nielsen, Fred J	Minnesota St., Giendora, Cal. 136 Caine Ave., San Francisco, Cal. 849 Athens Ave., Oakland, Cal. 34 Hester Ave., San Jose, Cal. 955 tet 8 None Cal.	
SNA	Nielsen, Fred J Nielson, Anders	849 Athens Ave., Oakland, Cal	
BNI	Nilli, Emil	34 Hester Ave., San Jose, Cal	
RN	Norton, Russell	825 1st St., Napa, Cal	
BPT	Nilli, Emil. Norton, Russell. Nulsen, William B. Nusser, George F.	34 Hestel 1.4., Sain 1985, Cal. 545 San Benito St., Los Angeles, Cal. 309 N. Union Ave., Los Angeles, Cal. 720 Healdsburg Ave., Santa Rosa, Cal.	
BUC	Nusser, George F	309 N. Union Ave., Los Angeles, Cal	
BBC	Oldham, William G., jr	720 Healdsburg Ave., Santa Rosa, Cal	
RTT	Oldham, William G., jr O'Dell, James J Oliver, Leslie H	327 Post St., San Jose, Cal	-
BLU	Oliver, Leslie H	1116 Catalina Ave., Pasadena, Cal	-
	Olmstead, Charles B	259 N. 23d Ave., Los Angeles, Cal	
BKB	Olmstead, William H	1433 J St., Eureka, Cal	
KB LJ		1635 Addison St., Berkeley, Cal	- 1
SJZ	O'Neill, Frank M		
SJZ	Olmstead, Charles B Olmstead, William H O'Neill, Frank M Ormsby, Russell.	1624 Chapin St., Alameda, Cal	
BOE	O'Neill, Frank M Ormsby, Russell Ostronik, Rudolph	1624 Chapin St., Alameda, Cal	1 3
6LU 6KB 6LJ 6JZ 6RO 6OE 6PE	O'Neill, Frank M Ormsby, Russell Ostronik, Rudolph Ostrowsky, Arthur P	1624 Chapin St., Alameda, Čal. 4071 Budlong Ave., Los Angeles, Cal. 408 E. 61st St., Los Angeles, Cal.	18
BIZ BRO BOE BPE BPB	O'Neill, Frank M. Ormsby, Russell. Ostronik, Rudolph. Ostrowsky, Arthur P. Pagh, Val E.	720 Healdsburg Ave., Santa Rosa, Cal. 327 Post St., San Jose, Cal	
SJZ	Ormsby, Russell. Ostronik, Rudolph. Ostrowsky, Arthur P. Pagh, Val E. Parke, Francis M.	1624 Chapin St., Alameda, Cal.         4071 Budlong Ave., Los Angeles, Cal.         408 E. 61st St., Los Angeles, Cal.         Randsburg, Cal.         582 N. Park Ave., Pomona, Cal.         Lockeford, Cal.         22 Terra Dillo Ave., San Rafael, Cal.	

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#### SIXTH DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Power
			Kw.
6LX	Parkin, John, jr	22 Terra Dillo Ave., San Rafael, Cal	1.
6MP	Parsons, William	22 Terra Dillo Ave., San Rafael, Cal. 2921 Manitou Ave., Los Angeles, Cal. 1966 Bonita Ave., Los Angeles, Cal. 1933 Main St., Alhambra, Cal. 569 Orange St., Riverside, Cal. 517 N. Washington St., Whittier, Cal. 34 Grant St., Redlands, Cal. Meridian and Q Sts., San Diego, Cal. 490 48th St., Los Angeles, Cal. 2615 Virginia St., Berkeley, Cal. 521 E. 17th St., Santa Ana, Cal. 3467 5th St., Los Angeles, Cal.	1.
6LV	Parsons, William Passage, Raye L. Peacock, Vernon L Peck, W. Frank Peelle, Russell G Peifer, Norman P Perry, Oliver A Petersen, Odin T Peterson, Frank E Phelps, Allen G Philippi, Charles	1966 Bonita Ave., Los Angeles, Cal	
BABH	Peacock, Vernon L	1303 Main St., Alnamora, Cal	
BAV BBR	Poello Bussell G	517 N Washington St Whittier Cal	1.
6ER	Peifer Norman P	34 Grant St. Redlands Cal	1.
6QC	Perry, Oliver A	Meridian and O Sts. San Diego, Cal	
60L	Petersen, Odin T	490 48th St., Los Angeles, Cal	1.
6OJ	Peterson, Frank E	2615 Virginia St., Berkeley, Cal	-
$_{ m BLW}$	Phelps, Allen G	521 E. 17th St., Santa Ana, Cal	1.
6KH	Philippi, Charles Phillips, Carroll J Pickard, Clifford J Pierson, Walter	3467 5th St., Los Angeles, Cal	1.
6CM	Phillips, Carroll J	1261 St. Charles St., Alameda, Cal	
6CM 6CP 6IV	Pierson Welter	Wolnut Crook Col	
6IY	Plimpton Ros	25081 Polm Drive Los Angeles Col	
6E G	Plimpton, Roe	143 15th St., Richmond, Cal	
6UO	Polkinghorn, Frank A.	180 W. Date St., Riverside, Cal	
6JX	Polkinghorn, Frank A. Pollitt, Chalmer L. Polytechnic High School	663 W. 35th Pl., Los Angeles, Cal	913.7
6LN	Polytechnic High School	Long Beach, Cal.	1.
6GP		1699 Masonic Ave., San Francisco, Cal	1.
BCR	Potter, Lee Roy	Maple and Spadra Sts., Fullerton, Cal	1.
6WI	Potter, Lee Roy Powell, Joseph F. Powell, Meade W. Pressell, Willis R.	521 E. 17th St., Santa Ana, Cal. 3467 5th St., Los Angeles, Cal. 1261 St. Charles St., Alameda, Cal. 660 19th St., Richmond, Cal. Walnut Creek, Cal. 2508} Palm Drive, Los Angeles, Cal. 143 15th St., Richmond, Cal. 180 W. Date St., Riverside, Cal. 180 W. Date St., Riverside, Cal. 1693 Masonic Ave., San Francisco, Cal. 1699 Masonic Ave., San Francisco, Cal. 1125 N. Wilson Ave., Pasadena, Cal. 1125 N. Wilson Ave., Pasadena, Cal. 136 Mill St., Reno, Nev. Hayward, Cal. 282 Molino St., Long Beach, Cal.	1.
6BF 6VI	Pressell Willie R	136 Mill St. Reno. Nev	
800		Hayward, Cal	
6QO 6II	Provinse, Floyd	282 Molino St., Long Beach, Cal.	1
6RV	Querolo, Louis R	892 Isabella St., Oakland, Cal	
6RV 6CH	Provinse, Floyd Querolo, Louis R Raley, Mannie L	136 Mill St., Reno, Nev.  Hayward, Cal. 282 Molino St., Long Beach, Cal. 892 Isabella St., Oakland, Cal. Lordsburg, Cal. 1202 S. Normandie Ave., Los Angeles, Cal.	-
6SP	Rathbun, Theodore B	Lordsburg, Cal. 1202 S. Normandie Ave., Los Angeles, Cal. 318 7th St., San Pedro, Cal. 340 30th St., San Francisco, Cal.	-
6UB	Ray, George	318 7th St., San Pedro, Cal	1.
BVP	Redmond, Joseph	Perris, Cal	
6EX 6AFA	Pichardson Franklin	7263 Sunset Blvd., Hollywood, Cal	
6GB	Roberts, Edwin D	Los Altos Col	
6TO	Richardson, Franklin Roberts, Edwin D Robertson, Orlyn N Robinson, Sidney E	202 S. Broadway, Santa Ana, Cal. 2929 Broadway, Oakland, Cal. 661 S. Chicago St., Los Angeles, Cal.	- 3
6IQ 6TK	Robinson, Sidney E	2929 Broadway, Oakland, Cal	
$6\mathrm{H}Z$		661 S. Chicago St., Los Angeles, Cal	
6GI	Rothe, C. Ernest. Royden, Herbert N., jr. Rugh, Charles Rutherford, Paul H Rutledge, Ralph. Rutzen, Frank E. Ryberg, Walter G.	86 Viola Ave., San Jose, Cal	
6HR	Royden, Herbert N., jr		1.
$_{ m 6FB}^{ m 6FB}$	Rutherford Paul H	Los Gatos, Cal 431 San Francisco Ave., Pomona, Cal	1.
6HU	Rutledge, Ralph		
6FH	Rutzen, Frank E.	831 Alvarado St., San Francisco, Cal	
6AAV	Ryberg, Walter G Salome, Frederic W Sanford, J. Gordon	116 Virginia Ave., San Francisco, Cal	100
6FR 60Z	Salome, Frederic W	1493 Harrison St., Oakland, Cal	
SOZ	Sanford, J. Gordon	401 10th St., Colusa, Cat.  31 Alvarado St., San Francisco, Cal.  116 Virginia Ave., San Francisco, Cal.  1493 Harrison St., Oakland, Cal.  1117 W. 78th St., Los Angeles, Cal.  1645 S. Berendo St., Los Angeles, Cal.  2235 Lake St., San Francisco, Cal.  47 Weeklington St. Reno New	
6RU	Sargent Edward M	2025 Lake St. San Francisco Cal	
6SC 6NL	Sawyer Clifford D	47 Washington St., Reno, Nev	
6ES	Schaefer, Carl	3118 Stillson Ave., Sacramento, Cal.	
6HS	Schnarr, Henry J.	3611 Allendale Ave., Oakland, Cal	
60W	Sandrid, J. Ordfull St. Clair, Harold. Sargent, Edward M. Sawyer, Clifford D. Schaefer, Carl. Scharr, Henry J. Scheidemantel, Oscar A.	2235 Lake St., San Francisco, Cal.  47 Washington St., Reno, Nev  3118 Stillson Ave., Sacramento, Cal.  3611 Allendiale Ave., Oakland, Cal.  5408 Alvise St., Los Angeles, Cal.  1223 San Julian St., Los Angeles, Cal.  1632 Bush St., San Francisco, Cal.  2728 E. 2d St., Los Angeles, Cal.  424 20th Ave., San Francisco, Cal.  530 S. Chicago St., Los Angeles, Cal.  2716 E. 22d St., Oakland, Cal.  Mountain View, Cal.  343 S. Fremont Ave., Los Angeles, Cal.	1.
6UZ	Schellenback, Ray Schenck, Harry P Schleicher, Lorenz D	1223 San Julian St., Los Angeles, Cal	
$_{6\mathrm{VT}}^{6\mathrm{HK}}$	Schleichen Lerry P	1032 Bush St., San Francisco, Cal	1
6VT 6TS		424 20th Ave. Son Francisco Col	
6AY	Schneider, Anton	530 S. Chicago St., Los Angeles, Cal	
6WS	Schneider, August G. Schneider, William P. Schroeder, Arthur R. Seefred, Howard C. and Lyn-	2716 E. 22d St., Oakland, Cal.	1.
6FZ	Schroeder, Arthur R	Mountain View, Cal	
6EA	Seefred, Howard C. and Lyn-	343 S. Fremont Ave., Los Angeles, Cal	
		CONTRACTOR Designation Co.	1000
6TF	Seely, Frank	2615 Etna St., Berkeley, Cal	
OEU OEU	Soidal William F	Taft, Cal 2717 Brighton Ave., Los Angeles, Cal	1.
6EO 6CT 6TV	Seely, Frank. Sefton, Binger H. Seidel, William E. Seitel, T. Benton.	Chino, Cal	1.
6NT	Selby, Charles J	3316 Market St., Oakland, Cal.	1.
6SD	Selby, Charles J. Shaffer, Charley L. Shaffer, John.	450 W. Center St., Pomona, Cal	
6IO	Shaffer, John	846 E. 33d St., Los Angeles, Cal	
6UU	Shaffner, Lucius L	1320 Illinois St., Los Angeles, Cal	
6BP	Shannon, Leslie	334 W. Murray St., Eureka, Cal	
6EP	Shannon, Leslie Sharon, Elwyn F. Shaw, William A.	Lomon Grove, Col	1. 1.
6UN 6SR	Shelton R O	Chino, Cal 3316 Market St., Oakland, Cal 450 W. Center St., Pomona, Cal 846 E. 33d St., Los Angeles, Cal 1320 Illinois St., Los Angeles, Cal 334 W. Murray St., Eureka, Cal 576 N. Wilson Ave., Pasadena, Cal Lemon Grove, Cal 3443 5th St., San Diego, Cal.	1.
6FS	Shelton, R. O. Short, Frank A. Short, Ralph R.	Lemon Grove, Cal 3443 5th St., San Diego, Cal 846 Walnut St., Riverside, Cal 160 Dearborn St., Pasadena, Cal	1.

#### SIXTH DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Powe
			Kw.
BDS	Sikes, Clarence W	118 Olive Ave., Modesto, Cal. 229 S. Cummings St., Los Angeles, Cal. 2937 Martinez Ave., Berkeley, Cal. 211 Orange Ave., Santa Ana, Cal. 318 2d St., Napa, Cal. 208 E. 40th Ave., Los Angeles, Cal. 3415 Glen Albyn Drive, Los Angeles, Cal. 328 St. St. Ave. Son. Francisco Cal.	1
VR SK	Sisson, Waldo L	229 S. Cummings St., Los Angeles, Cal	1
SK	Skaale, Arthur J	2937 Martinez Ave., Berkeley, Cal	
DQ	Sleeper, James L	211 Orange Ave., Santa Ana, Cal	
SLS	Steeper, James L. Smelser, Laurel J. Smith, Edward I. Smith, Harold. Smith, Seth. Snider, Wallace. Somers, William A.	318 2d St., Napa, Cal	
AF	Smith, Edward I	208 E. 40th Ave., Los Angeles, Cal	
SKZ	Smith Coth	3415 Glen Albyn Drive, Los Angeles, Cal.  78 Peralta Ave., San Francisco, Cal.  2031 E. 1st St., Long Beach, Cal.  2057 W. 29th St., Los Angeles, Cal.  795 Simpson Ave., Salt Lake City, Utah.  75 Bush St., San Jose, Cal.  3737 3d St., San Diego, Cal.	
ON	Spider Wallace	2021 E 1st St. Long Reach Cal	
PD	Somers William A	2057 W 29th St. Los Angeles Cal	
ACS	Sorenson, Carl	795 Simpson Ave. Salt Lake City, Utah.	
ACS	Soules, Ernest H Spare, Wilson Spatafore, Joseph	75 Bush St., San Jose, Cal	
WR	Spare, Wilson	3737 3d St., San Diego, Cal	
PG	Spatafore, Joseph	173 ad St., San Francisco, Cal. 172 32d Ave., San Francisco, Cal. 2731 Dwight Way, Berkeley, Cal.	
NO TG	Spaulding, Leland J	172 32d Ave., San Francisco, Cal	
TG	Speir, Godfrey B	2731 Dwight Way, Berkeley, Cal	
ST	Spencer, Howard E	Rivera, Cal	
SA	Spencer, Oscar J	33 Douglas St., San Francisco, Cal	,
CK	Spatafore, Joseph. Spaulding, Leland J. Speir, Godfrey B. Spencer, Howard E. Spencer, Oscar J. Spencer, Edward R. Spring, Fred R. Spring, Fred R.	1640 23d Ave., Oakland, Cal	
RS AZ	Spring, Fred R	1816 N. Drondworf Los Angeles, Cal	
ABK	Springman, Arthur E Squires, Harold D	33 Douglas St., San Francisco, Cal	
DD	Stagi, Guadenzio	306 S. Pierce Ave., Whittier, Cal. Los Altos, Cal. 753 Redondo Ave., Long Beach, Cal. 1005 Riverene Ave., Santa Ana, Cal. 1605 Arch St., Berkeley, Cal. 601 Broderick St., San Francisco, Cal. 222 Short St., Long Beach, Cal. 1309 Sth St., Oakland, Cal. 1309 Sth St., Oakland, Cal.	
RH	Stamback Rollo L	753 Redondo Ave Long Reach Cal	
RH	Spicer, Clarence	1005 Riverene Ave. Santa Ana. Cal	
JS	Squires, John E	1605 Arch St., Berkeley, Cal	
JR		601 Broderick St., San Francisco, Cal	
ABL	Stebbins, Charles L	222 Short St., Long Beach, Cal	
RE	Steulier, John Stebbins, Charles L Stewart, Francis S. Stoddard, Harold Stone, Philip B.	1919 Fern St., San Diego, Cal	
RE	Stoddard, Harold	1309 8th St., Oakland, Cal	
PW-	Stone, Philip B	Murray, Utah	
RP	Stonecipher, Charles E	7227 S. Moneta Ave., Los Angeles, Cal	
HP MZ	Stonehocker, Harold	1732 Webster Ave., Fresno, Cal	
MZ	Stoudt, Frank L	340 Francis St., Pomona, Cal	
CJ	Stowe, Theodore E	1919 Fern St., Sah Diego, Cal.  Murray, Utah.  7227 S. Moneta Ave., Los Angeles, Cal.  1732 Webster Ave., Fresno, Cal.  340 Francis St., Pomona, Cal.  41st Ave., Capitola, Cal.  1208 Myrtle St., Oakland, Cal.  268 Jayne St., Oakland, Cal.  268 Jayne St., Oakland, Cal.  269 Petaluma Ave., San Rafael, Cal.  2629 Mission St., San Francisco, Cal.  1061 624 St., Oakland, Cal.  2153 Albee St., Eureka, Cal.  2334 94th Ave., Oakland, Cal.  354 S. Hope St., Los Angeles, Cal.  5610 Mission St., San Francisco, Cal.  801 Brent Ave., South Pasadena, Cal.  1264 Oxford St., Los Angeles, Cal.  740 S. San Antonio Ave., Pomona, Cal.  3766 Chamcune Ave., San Diego, Cal.  141 2th St., Riverside, Cal.  Mayfield, Cal.  Mayfield, Cal.  Mayfield, Cal.	
AD SZ	Street, George	260 Tayro St. Oakland Cal	
SZ WG	Strong William A	605 Pataluma Ava San Rafael Cal	
FO	Stubbs, Frank A	2629 Mission St., San Francisco, Cal	
GO	Summers, James W	1061 62d St., Oakland, Cal	
VB	Sundquist, Fred	2153 Albee St., Eureka, Cal	
SU	Sutherland, Clarence	2334 94th Ave., Oakland, Cal	
AAN	Sykes, Joseph	354 S. Hope St., Los Angeles, Cal	
AAT	Szukalski, Joseph P	5610 Mission St., San Francisco, Cal	
DV	Taenzer, Ernest M	801 Brent Ave., South Pasadena, Cal	
JU	Tait, Jack D	1264 Oxford St., Los Angeles, Cal	
BK BW	Talbott, Paul H	2700 Chamouna Arra Can Diago Cal	
EH	Taylor, Edwin K.	519 Oak St. San Francisco Cal	
TW	Taylor Hope	144 19th St. Diverside Cal	
TWOB	Telmont Hippolyte B	Mayfield Cal	
NH	Stoddard, Harold. Stone, Philip B. Stonecipher, Charles E. Stonehocker, Harold. Stoudt, Frank L. Stowe, Theodore E. Street, George Strong, Stuart E. Strong, Stuart E. Strong, William A. Stubbs, Frank A. Summers, James W. Sundquist, Fred. Sutherland, Clarence Sykes, Joseph. Szukalski, Joseph P. Taenzer, Ernest M. Tait, Jack D. Talbott, Paul H. Taylor, Edwin K. Taylor, Frank G. Taylor, Frank G. Taylor, Hope Telmont, Hippolyte B. Terrell, Edwin. Tessien, Henry A. Thacker, Roy M.	271 8th St., San Pedro, Cal	
HI	Tessien, Henry A	2929 Octavia St., Oakland, Cal	
TX SG	Thacker, Roy M Themer, Francis. Thomas, Courte D	931 Concord St., Los Angeles, Cal	
SG		1536 F St., San Diego, Cal	
KX	Thomas, Courte D	2801 La Salle Ave., Los Angeles, Cal	
UQ	Thompson, Charles E	1876 15th St., San Francisco, Cal	
NE	Thomas, Courte D. Thompson, Charles E. Thompson, Lloyd. Thornton, George N. Thorson, Robert W. Thurman, Alvin C. Tibbitts, Jonathan C. Tilden, C. W. Tripp, Dwight K. Townsend, Irye L. Tubbs. Ernest A.	512 Oak St., San Francisco, Cal.  144 12th St., Riverside, Cal.  Mayfield, Cal.  271 8th St., San Pedro, Cal.  2929 Octavia St., Oakland, Cal.  931 Concord St., Los Angeles, Cal.  1536 F St., San Diego, Cal.  2801 La Salle Ave., Los Angeles, Cal.  1876 15th St., San Francisco, Cal.  239 E. Whiting Ave., Fullerton, Cal.  1301 F Felton Ave., Richmond, Cal.  7 Grant Ave., Watsonville, Cal.  1246 St. Charles St., Alameda, Cal.  133 Gramercy Drive, Los Angeles, Cal.  133 Gramercy Drive, Los Angeles, Cal.  103 Tribune St., Redlands, Cal.  140 W. 53d St., Los Angeles, Cal.  1703 S. Berendo St., Los Angeles, Cal.  352 Illinois St., Pomona, Cal.  303 E. Commercial St., Inglewood, Cal.  320 Maple St., Reno, Nev.  San Jose, Cal.  34 Hunolt St., Santa Cruz, Cal.  2012 N. Broadway, Los Angeles, Cal.  211 S. 20th Ave., Los Angeles, Cal.	
PQ BY	Thornton, George N	Lancha Flana, Cal	
GO	Thurman Alvin C	7 Grant Ava Watsonvilla Cal	-
GQ JT	Tibbitts Ionathan C	1246 St. Charles St. Alameda Cal	
KS	Tilden, C. W	1635 Maltman Ave., Los Angeles, Cal.	
KG	Tripp, Dwight K	933 Gramercy Drive, Los Angeles, Cal.	
KS KG IM	Townsend, Irve L	737 Oakland Ave., Pasadena, Cal	
CZ	Tubbs, Ernest A	103 Tribune St., Redlands, Cal	
WE	Tubbs, Ernest A Tulp, Ralph	840 W. 53d St., Los Angeles, Cal	
ABR	Turner, Herbert C. Tyler, Otto B.	1703 S. Berendo St., Los Angeles, Cal	
ABR OT DT	Tyler, Otto B	352 Illinois St., Pomona, Cal	-
DT	Underwood, Ernest G Urban, Carl H.	903 E. Commercial St., Inglewood, Cal	
OZ	Urban, Carl H	320 Maple St., Reno, Nev	-
GL ML	Van Auken, George L	San Jose, Cal	
ML	Van Auken, George L. Van Manning, Harold Van Why, Forbes W. Vodra, George G. Vogeley, Herbert H.	34 Hunoit St., Santa Cruz, Cal	
WA	Van Why, Forbes W	2012 N. Broadway, Los Angeles, Cal	1
QP DF	vodra, George G	341 Chestnut Ave., Los Angeles, Cal	1

# SIXTH DISTRICT—Continued.

#### ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal	Owner of station.	Location of station.	Powe
			Kw.
6VU	Vonderheide, Harold H	711 Carson St., Carson City, Nev	1 Aw.
6BA	Wadsworth, Claude E	336 Center St., Healdsburg, Cal.	0
6JI	Wagnon, Earl B	Los Altos, Cal.	
600	Walden Myron	004 57th St. Ookland Col	18
60C	Walden, Myran	994 57th St., Oakland, Cal. 1431 Linden Ave., Long Beach, Cal.	133
6IG	Wallace, Donald C Wallace, Edward A	138 Water St., Santa Cruz, Cal.	
6VV	Wallace, Edward A	100 C Martener Ct. Albambra Cal	1
6IE	Wallace, Forrest P Walter, Gilbert	120 S. Monterey St., Alhambra, Cal	1
		4523 Shattuck St., Oakland, Cal	
6WO 6HT	Walters, Wilbur E	410 E. 2d St., Lordsburg, Cal.	
6TJ	Walters, William T	2140 Tyler Ave., Fresno, Cal. 1829 West St., Oakland, Cal.	1
	Warner, Stafford W	1829 West St., Oakland, Cal.	
6KW	Warriner, Willard V	245 Eagle Rock Ave., Los Angeles, Cal	1
6QW	Waters, John E	245 Eagle Rock Ave., Los Angeles, cal 2002 N. Broadway, Santa Ana, Cal 1611 Walnut St., Alameda, Cal	1
6EY	Watson, Edwin A	1611 Walnut St., Alameda, Cal	100
6NW	Webb, Morrison R	541 ISED St., Oakland, Cal.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
6WV	Webb, Walter R	1306 W. 41st St., Los Angeles, Cal	1
6CS	Webber, Franklin C	632 N. Bunker Hill Ave., Los Angeles, Cal	. 1
6WU	Weddell, Clarence C	236½ Walnut St., San Jose, Cal.	
6AN	Weisbart, Ben	136 S. Lucas St., Los Angeles, Cal	38
6VW	Weitfie, Roy	2217 Shattuck St., Berkeley, Cal	
6DZ	Welch, Gerald D	2201 Rose St., Berkeley, Cal	
6GW	Werner, George W., jr	3039 Adeline St., Berkeley, Cal	116:
6DX	Wheelock, Charles	143 N. Lime St., Riverside, Cal. 1246 Liberty St., Santa Clara, Cal.	
6UX	Whidden, Ira P	1246 Liberty St., Santa Clara, Cal	
6DO	Whisman, Ray	419 38th Ave., San Francisco, Cal	li:
6VA	White, G. Richard	435 Oakland Ave., Pasadena, Cal	
6HW	White, Howard	822 E. 4th St., Santa Ana, Cal	
6CX	Whitehead, Stanley K	138 N. Ohio St., Los Angeles, Cal	1
6DU	Whitworth, George K	265 N. Mountain Trail, Sierra Madre, Cal	-
6FE	Wickersham, Harry H	149 San Carlos Ave., San Francisco, Cal	1 3 5
6PY	Wight, Ralph W	412 Redondo St., Inglewood, Cal	
6RL	Wiley, Ralph W	1250 26th Ave., San Francisco, Cal	
6PS	Wilkins, Roy A	532 N. 17th St., San Jose, Cal	1
6AAM	Willey, Oscar F	292 King St., Santa Cruz, Cal	
6JL	Williams, John C	292 King St., Santa Cruz, Cal. 1202 8th St., Oakland, Cal.	1 :
6RZ	Williams, Roy D	554 Pine Ave., Long Beach, Cal	
6NV	Williams, Theodore T	295 California Ter., Pasadena, Cal	
6BH	Williamson, Harry	10 S. Church St., Redlands, Cal	10
60 G	Willis, Fred S	2140 California St., Eureka, Cal	
6QB	Wilmot, Allen G	2114 3d Ave., Los Angeles, Cal	1
6AGW	Wilson, Gerard	363 S. 11th St., San Jose, Cal Encanto, Cal.	
6NP	Wilson, J. Vernon	Encanto, Cal	1 3
6NB	Winter, Gilbert H	1742 Bushnell Pl., Berkeley, Cal	-
6FW	Wisner, Fred L	1346 30th St., San Diego, Cal	1
6JV	Worthington, Jack	548 37th St., Oakland, Cal	
6SV	Wright, F. Harlow	Orange Cove, Cal	1 22
6RT	Wright, Harry E	935 Harrison St., Oakland, Cal.	1
6TC	Wright, Howard E	935 Harrison St., Oakland, Cal 315 Alvarado Court, Pomona, Cal	1
6TY	York, Darwin E and Guy A.	1001 W. 1st St., Santa Ana, Cal	1
6MQ.	Zangraft, Thomas J	479 Cypress St., Pasadena, Cal.	1.46

#### ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
6AA 6AAB 6AAD 6AAF 6AAG 6AAG 6AAH 6AAL 6AAL 6AAL 6AAR 6AAR 6AAR 6AAR	Aster, Alvin K. Hemenway, Clyde C. Mahn, Erich G. Bray, Harold R. Collins, Wayne A. Gilbert, P. H. Gilstrap, Frederick L. Linville, Charles R. Brinkman, Fred E. Lyon, John. Willey, Oscar F. Beal, Ira. Bennett, Dudley W. Szukalski, Joseph P. Ryberg, Walter G. Street, George.	6ABA 6ABC 6ABF 6ABH 6ABK 6ABL 6ABL 6ABO 6ABC 6ACA 6ACA 6ACA 6ACE 6ACH 6ACS	Alexander, L. R. Hellikson, Vivian L. Moore, Walter. McLaren, Alfred. Pescock, Vernon L. Squires, Harold. Stebbins, Leslie. Bevitt, Edwin R. Evans, Charles C. Turner, Herbert C. Capwell, Cebert E. Andrews, Clarence. Trout, Delbert. Heaney, Clarence. Sorenson, Carl. Diamond, Alfred.	6ADA 6ADC 6ADF 6AFA 6AFA 6AFC 6AFD 6AGB 6AGB 6AGW 6AHA 6AHA	Woods, Hubert. Shiner, Gerald. Youngstrom, Charles H. Johnson, Roy. Smith, Edward. Richardson, Frankin. Callero, Frank. Manasse, Gerald. Neuser, Arthur A. Bockman, George. Griffin, Ellis. Wilson, Gerard. Botts, James. Herberger, A. E. Evans, Herbert.

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# AMATEUR RADIO STATIONS-Continued.

#### SIXTH DISTRICT-Continued.

#### ALPHABETICALLY BY CALL SIGNALS-Continued.

	1	l		Ī	T
Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
6AHN	Newnan, Harold,	6DJ	Merritt, Lawrence G. Mundt, C. S. Higgy, Robert. Whisman, Ray. Briare, William N., jr.	6GO	Summers, J. W.
6AI	Green, Alfred.	6DK	Mundt, C. S.	6GO 6GP	Post, George W.
6AJ	Newnan, Harold. Green, Alfred. Bean, James. Miller, Albert.	6DM 6DO	Higgy, Robert.	6GQ 6GR	Thurman, A. C. Brown, Clarence C.
6AK	Miller, Albert.	6DO	Whisman, Ray.	6GR	Brown, Clarence C.
6AKA 6ALA	Whiting, Edmund W. Wells, Herbert. Stuart, Burton G.	6DP 6DQ	Sleeper James T.	6G8 6GT	Johnson, Phillip.
6ALB	Stuart, Burton G.	6DR	Sleeper, James L. Laverty, F. B.	6GŪ	Knudsen, George.
6ALC	Erikson, Elwood.	6DS 6DT	Laverty, F. B. Sikes, C. W.	6GV	Anzini, Daniel I. Jones, Alfred Henry.
6ALD	Erikson, Elwood. Dye, Leland.	6DT		∥ 6GW	Werner, George W., jr Long, Herman.
6AM	Benn, Julius.	6DU	Whitworth, George.	6GX 6GY	Long, Herman.
6AO 6AP	Bargar, Avery E. Chase, John H. De La Cruz, George. Anderson, Andrew.	6DV	Bales, Edward M. Wheelock, Charles D.	6GZ	Champion, W. Kern County High
6AQ	De La Crus, George.	6DX 6DZ	Welch, Gerald.	002	School.
6ARC	Anderson, Andrew.		1 '	ł	
6ARD	Dow, Clifford. Gerwing, Robert S.	6EA	Seefred, H. C. Bazzini, E. M. H. Lewis, H. E. Farish, Edward F.	6HA	Kreamer, John A.
6ARG	Gerwing, Robert S.	6EB	Bazzini, E. M. H.	6HB	Hunt, Homer.
6ASR 6AT	Browning, Samuel D. Heer, A. A., ir. Clark, Paul U.	6EC 6ED	Parish Edward F	6HD 6HE	Dickow, H. Castro, Morris. Hart, Gardner Lloyd.
6AU	Clark, Paul U.	6EE	Bilhimer, S. J. Posge, Edward. Taylor, Frank. Walters, Wilbur E. Eiferle, Chrissie.	6HG	Hart, Gardner Lloyd.
6AW 6AY	Cuien, raui.	6EG	Poage, Edward.	6HI	1 essien, rienry.
6AY	Schneider, August G.	6EH	Taylor, Frank.	6HJ	McIntosh, Harold St.
6AZ	Springman, Arthur.	6EI 6EK	Walters, Wilbur E.	6HK	J. Sohonok II D
6BA	Wadsworth, C. E.	6EM	McGuire Edward	6HL	Schenck, H. P. Linhoff, Harold.
6BB	May, Howard.	6EN	Miller, Elmer.	6HM	Murphy, Harold J.
6BC	Oldham, William, jr.	6EO 6EP	Sefton, Binger.	6HN	Murphy, Harold J. Fredericksen, C. J. Ardenyi, William A.
6BD	May, Howard. Oldham, William, jr. Carter, E. Stewart. Birkeland, Andrew.	6EP	McGuire, Edward. Miller, Elmer. Setton, Binger. Sharon, E. F. Robert, Jonathan L. Paifer, Norman.	6HO	Ardenyi, William A.
6BE 6BF	Powell Meads W	6EQ 6ER	Robert, Jonathan L.	6HP 6HR	Stonehocker, Harold. Royden, Herbert.
6BG	Powell, Meade W. Grates, John.	6ES	Schoeler, Carl.	6H8	Schnarr, H. J.
6BH	Williamson, Harry.	6ET 6EU	Fenner, Paul R.	6HT	Schnarr, H. J. Walters, William.
6BI	Moore, Ezra.	6EU	Schoefer, Carl. Fenner, Paul R. Michelson, Melvin O. Bertin, Edwin.	6HU	Rutledge, Ralph.
6BJ 6BK	Bunting, Lawrence. Talbott, Paul H.	0E.M	Bertin, Edwin.	6HV 6HW	White Howard
6BL	Retterly Jack	6EW 6EX 6EY 6EZ	Remelin, Eldred Lea. Watson, Edwin A. McHolland, Ray-	6H¥	Rutledge, Ralph. Ferrill, H. E. White, Howard. Hare, Robert. Davidson, Merritt.
6BN	Betterly, Jack. Mentzer, Leonard.	6EZ	McHolland, Ray-	6HX 6HY	Davidson, Merritt.
6BO	Mattoon, Stanley. Arbing, Bartley. Peelle, Russell. Green, Carl, jr. Cantelow, Elbridge M.	I	mond.	6H <i>Z</i>	Roe, Charles.
6BQ 6BR	Arbing, Bartley.	6FA	Ambanas T is	6IA	Griffiths, Walter
6B8	Green, Carl, ir.	6FR	Arnberger, F., jr. Rutherford, Paul. Isham, Carlton.	I .	Mayne.
6BT	Cantelow, Elbridge M.	6FB 6FC	Isham, Carlton.	6IB 6IC	Mayne. Bauchou, Leon J. Austin, Russell Fred-
6BU	mus, narry.	6FE	Wickersham, Harry	6IC	Austin, Russell Fred-
6BV	Munzig, Arthur.	6FF	N.	6ID	erick.
6BX 6BY	Lankston, Jesse M. Thorson, Robert. Fickas, William.	6FG	Cosgrove, Clarence E. Bauman, W. Rutzen, F.	6IF	Barton, Harry. Farwell, Ivyn. Hazelton, Ralph L. Provinse, Floyd
6BZ	Fickas, William.	6FH	Rutzen, F.	6IH	Hazelton, Ralph L.
	i i	6FI	i Eveleth, Harian A.	eii	Provinse, Floyd. Boshme, Herbert.
6CA	Lowell, Charles, jr.	6FJ	Barnum, Coit L.	6IJ 6IK	Contained Clarence
6CB 6CC	Canfield Carlton E	6FL 6FM	High, Freeman. Carroll, Russell W.	6IL	Grotzinger, Clarence. Mahler, James J., jr.
6CD	Abbott, Clare C.	6FN	Deetkin, Fred.	6IM	TATEMOON C TETTO
6CE	Bascom, C. N. Canfield, Carlton E. Abbott, Clare C. Clark, J. R. Curtis Burbank	6FO	Carroll, Russell W. Deetkin, Fred. Stubbe, Frank. Parke, Francis M. Foster, Harold M. Salome, Frederick W. Short, F. A. Munger, C. D.	6IN	Lewelling, Raymond. Shaffer, John. Marsh, Hallan. Robertson, Orlyn. Andrews, Carl.
6CF		6FP	Farke, Francis M.	l erro	Moreh Heller
6CH 6CI	Raley, M. Le Roy.	6FQ 6FR	Solome Frederick W	6IP 6IQ	Robertson, Orlyn
6CK	Spencer, Edward R. Cosby, Mark Barrett. Phillips, Carroll J. Hendricks, Charles F. Pickard, Clifford.	6F8	Short, F. A.	6I8 ⁻	Andrews, Carl.
6CL	Cosby, Mark Barrett.	6FU	Munger, C. D. Foulon, Fred. Wisner, Fred. Bonar, Perry.	6IU	Hutchinson, Howard
6CM 6CN	Phillips, Carroll J.	6FV	Foulon, Fred.	07337	W.
6CN 6CP	Hendricks, Charles F.	6FW 6FY	Roper Person	6IW 6IY	Muller, Lloyd. Plimpton, Roe.
6CQ	Kemper, Horace.	6FZ	Schroeder, Arthur R.	1 011	i impedi, itoe.
6CR	Potter, Lee.	1	· ·	6JA	Knight, James B.
6C8	Potter, Lee. Webber, F. Seidel, William.	6GA	Andrews, Gaylord. Roberts, Edwin D. Green, H. A.	€JB €JC	Tassey, Glenn. Kulish, John, jr.
6CT 6CV	Seidel, William.	6GB 6GC	Roberts, Edwin D.	(ND)	Rinney John, Jr.
6CX	Anderson, Donald S. Whitehead, Stanley.	6GD	Fackrell, G. O.	6JE	Binney, John. Mead, John H.
6CY 6CZ	Lundy, Elmer.	6GE	Fackrell, G. O. Corpe, G. S.	NH NG	Homand, James.
6CZ	Lundy, Elmer. Tubbs, Ernest A.	6GF	Farmer, Gordon. Malarin, Henry.	6JH	Homand, James. Koepfii, Jos. B.
	1	600	Malarin, Henry.	631	Wagnon, E. B. Klahn, Leander.
6DA 6DC	Bolton, Herbert B.	6GH 6GI	McCarthy, J. J. Rothe, Charles.	6JL	Williams Tohn
6DD	Hibbard, Charles, jr. Stagi, Guadenzio.	6GJ	Richardson, C. E.	i 6JM	McCargar, J. L.
6DE	Davidson, James D.	6GK	Richardson, C. E. Hayden, Gordon L. Van Aukon, G. L.	6JN	Livesay, J. Russell.
6DF	Stagi, Guadenzio. Davidson, James D. Buckner, H. E.	6GL	Van Aukon, G. L.	6JO 6JP	Williams, John. McCargar, J. L. Livesay, J. Russell. Hayden, Jack.
6DH 6DH	Grimes W Frank	6GM 6GN	Mackin, George R. Grossnickie, Russell	610	Carroll, Lional
6DI	Duffy, Guy. Grimes, W. Frank. Cookson, H.	1 331	R.	6JQ 6JR	Clark, John. Carroll, Lionel. Stauffer, John.
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#### SIXTH DISTRICT—Continued.

#### ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
6J8 ·	Squires, John E.	6 <b>M</b> W	Lauritsen, Albert	6PY	Wight, Ralph W.
6JT	Tibbitts, Jonathan C.	OM. **	Miller.	6PZ	Brown, Robert L.
ลับิ	Tait, Jack.	6MX	Macurda, Malcolm.		210 112, 210 200 21
6JV	Tait, Jack. Worthington, J.	6MX 6MY	Johnston, Robert.	6QA 6QC 6QD	Myers, Harry.
6JW 6JX	Meyer, Joseph. Pollitt, Chalmer L. Humphrey, Estil. O'Nelll, Frank Mur-	6MZ	Stoudt, Frank L.	6Q.C	
6JX	Pollitt, Chalmer L.	Į.	1	6QD	Finley, W. E.
6JY	Humphrey, Estil.	6NA 6NB 6NC	Nielson, Anders. Winter, Gilbert H. Gould, William. Breck, F. B.	6QE 6QF 6QG	Perry, Oliver. Finley, W. E. Clewett, Heber. Clements, F. P. Nelson, Martin A. Flaig, Philip. Crissman, Robert.
6J <i>Z</i>	O'Nelll, Frank Mur-	6NB	Winter, Gilbert H.	6QF	Clements, F. P.
	ray.	6NC	Gould, William.	6QG	Nelson, Martin A.
		I BND	Breck, F. B.	6QH	Flaig, Philip.
6KA	Dickey, Herbert A.	6NE 6NF	I Hompson, Lioyu.	6QI	Crissman, Robert. Shannon, Thomas Jo
6KB 6KC	Olmstead, Charles. Bolton, Herbert J.	6NJ	Newton, Francis. Cunningham,	6QJ	Snannon, Thomas Jo-
6KD	Dutton, Herbert J. Dutton, Kingsley. Jackson, M. Jones, Ernest P. Mills, Eldon Cecil. Neff, Cecil.	0143	Edward J.	8017	seph P. Gill, Fred M.
6KF	Jackson M	6NK	Duncan Harold.	6QK 6QM	Nickle, Harold Al
6KI	Jones, Ernest P.	BNL	Duncan, Harold. Sawyer, C. D. Carter, Kenneth. Bowen, Walter.	14	
6KJ	Mills, Eldon Cecil.	6NL 6NM	Carter, Kenneth.	6QN	Snider, Wallace. Vodra, George. Chase, Ralph N. Henry, William
6KK	Neff, Cecil.	6NN	Bowen, Walter.	6QN 6QP 6QR	Vodra, George.
6KM	Dalby, William. Davidson, George A.	RNO	Spaulding, L. J.	6OR	Chase, Ralph N.
6KN	Davidson, George A.	6NP	Wilson, J. Vernon.	6QS	Henry, William
6KO	Short, Ralph Ran-	6NQ	Francis, Ernest R.		l accobut.
	dall.	6NP 6NQ 6NS	Spaulding, L. J. Wilson, J. Vernon. Francis, Ernest R. Neville, Glenn.	6QT 6QU 6QV 6QW 6QX 6QZ	Dalton, Stuart P.
6KP	Miller, Murray.	6NT	legith, chartes in	6QU	Garretson, Oliver.
6KQ	Brennan, R. P.		seph.	6QV	Kimm, George N. Waters, John E. Baird, Maxfield A.
6KR	Roltsch, George A.	6NU 6NW	Heppenstall, W. L.	6Q.₩	Waters, John E.
6K8	Brennan, R. P. Roitsch, George A. Tilden, C. W. Mealer, Loyal D.	ONW	Webb, Morrison.	6QX	Baird, Maxheld A.
6KU	Mealer, Loyal D.	6NX 6NY	Calvert, Paul. Bagley, William. Spicer, Clarence.	6QZ	Urban, Carl Henry.
6KV	Werring W V	6NZ	Spicer Clarence	lli .	Dorboroloto Duesell
AYY	Thomas Courte D	UNZ	Spicer, Clarence.	6RB 6RC	Barbagelata, Russell.
6KW 6XX 6KZ	Hankins, Marvin J. Warriner, W. V. Thomas, Courte D. Smith, Harold.	60A	Adams, E. R.	ARD	Moeiris, Russell. Deardorff, Ralph W. Stoddard, Harold. Closson, William. Downs, Robert. Stombook, Rolle I.
UILZ		60B	Telmont, Hippolyte	6RD 6RE	Stoddard, Harold.
6LA	Parker, Ralph.		1 B.	6RF	Closson, William.
6LD	Parker, Ralph. Haskell, Charles. Lewis, Tony. Lohry, Ross B. Lee, George R.	6OC 6OD 6OE	Wallace, Donald C. Foster, Lewis. Ostronik, Rudolph.	6RG	Downs, Robert.
6LE	Lewis, Tony.	60D	Foster, Lewis.	6RH	Stambáck, Rollo L.
6LF	Lohry, Ross B.	60E	Ostronik, Rudolph.	6RI	Stamback, Rollo L. Hanchett, Robert.
6LG	Lee, George R.	6OF	Kroman, Robert. Waite, H. E.	6RK	Kelley, Roger M. Gabriel, Edward
6LH	Hunt, Lloyd F.	60 <u>G</u>	Walte, H. E.	6RM	Gabriel, Edward
6LI	Hunt, Lloyd F. Isaacs, L. R. Olmstead, William H.	60H	Bonham, C. L. Dawson, J. Percy.		Joseph.
6LJ 6LK	Town Tending Allen	60I 60J	Dawson, J. Percy.	6RN	Norton, Russell.
	Fox, Irving Allen.	60K	Peterson, Frank. Dillon, Lyle.	6RP	Stonecipher, Charles
6LL 6LM	Griffith, William. Erler, Robert. Long Beach Polytechnic High School.	BOL .	Peterson Odin	6RQ 6RR	Abrahamson, R. Herman, Edward
6LM 6LN	Long Beach Polytech-	60N	Peterson, Odin. Hoover, Peter.	OKK	William.
V22-1	nic High School.	600	Waldon, Myran. Altland, Comer P. Lemon, Melvil e L.	6RT	Wright, Harry E.
6LO	Lory, C. S.	6OP	Altland, Comer P.	6RŪ	Wright, Harry E. St. Clair, Harold.
6LP	Lory, C. S. Gray, C. L.	60 Q 60 R	Lemon, Melvil e L.	6RU 6RV	Querolo, Louis.
6LQ 6LR	Duborg, George.	60R	Nielson, Fred.	6RW	Garver, Oliver.
6LR	Duborg, George. Baker, Jesse Edgar.	6OT	Nielson, Fred. Tyler, Otto.	6RW 6RX 6RZ	Querolo, Louis. Garver, Oliver. Dieterich, Martin. Williams, Roy D.
6L8	Cooksey, Claybourne	6OU	Hawley, George N. Atkins, Carl.	6RZ	Williams, Roy D.
at m	D.	60V	Atkins, Carl.	it .	1
6LT 6LU	Farolita, Dominic A. Oliver, Leslie.	60 W	Schiedmantel, Oscar.	6SA	Spencer, Oscar.
AT.V	Passage, Raye.	60X 60Y	Martin, Andrew W.	6SB 6SC	Clark, Jean H.
6LV 6LW	Phalos Allan G.	60Z	Dodson, L. O. Sanford, J. Gordon.	68D	Sargent, Edward M. Shaffer, Charles.
6LX	Parkin, John.	""	- Juniora, v. Gordon.	6SE	Preston, Harold
6LX 6LY	Parkin, John. Ladley, W. A. Burgess, Charles W.	6PA	Heling, E. C.	68F	Preston, Harold. Fuller, Etson Sidney Themer, Francis.
6LŹ	Burgess, Charles W.	6PB 6PC	Heling, E. C. Pagh, Val.	68G	Themer, Francis.
		6PC	Bumbaugh, Harold. Somers, William.	6SH	MacQuarrie, Harold.
6MA	Montgomery, Alvin	ll apd	Somers, William.	6SI	I Wort Leander L.
	R.	6PE 6PG 6PH	Fleming, Robert. Spatafore, Joseph. Nelson, Harry.	6SJ	Lopez, John.
6 <b>M</b> B	Jopson, Frank.	6PG	Spatafore, Joseph.	68K	Skaale, A. J.
6MC	McGown, Dudley B.	6PH	Nelson, Harry.	68L	Hart, Cedric Elliott
6ME	McGown, Dudley B. Gregory, Marshall. Fitzpatrick, Gerald.	6PI	Furman, Oliver.	68M	Lopez, John. Skaale, A. J. Hart, Cedric Elliott Smith, Seth.
6MF	ritzpatrick, Gerald.	6PJ 6PK 6PL 6PM	Gale, Paul.	6SN	Edwards, Lewis. Parkin, Gladys K. Rathbun, Theodore.
6MI 6MJ	Hooper, Herbert D. Hickman, Roger	OF K	Latta, Paul. Kubias, R. M.	680 68P	Parkin, Gladys K.
OW	Warma	APW	Hamilton, O. J.	880	Foregoe Asthus
6ML	Wayne.	6PN	Nachit Paul	68Q 68R	Fonsecs, Arthur. Shelton, Dr. R. O.
6MM	Manning, Harold V. Moore, Norval E. Maher, Edward T. Dargitz, Jesse L.	6PO	Nesbit, Paul. Drath, Walter.	688	Morrow James W
6MN	Maher, Edward T	6PO	Thornton, George	68T	Morrow, James W. Spencer, H. E.
6MO	Dargitz, Jesse L.	6PQ 6PR	Thornton, George. Murkett, Philip T.	680	Sutherland, C.
6MP	Dargitz, Jesse L. Parson, William.	li adq	Wilkins, Rov.	68U 68V	i Wright, Harlow.
6MO	Anderson, Sante.	6PT	Wilkins, Roy. Nulson, William B.	II 68W	Anderson, Elroy E.
6MR	Neher, Loyal A. McArdle, James J.	6PT 6PU 6PV	Hamilton, Howard. Henn, C. W. Barlow, Roy.	II 68X	Anderson, Elroy E. Johnson, A. E. Josephs, Howard.
0				11 0037	I Tanamba Tramani
6MS 6MV	McArdle, James J. MacMullen, Gerald.	6PX	Henn, C. W.	68Y	1000bus, Howard.

# AMATEUR RADIO STATIONS-Continued. SIXTH DISTRICT-Continued.

#### ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
6TA	Nelk, T. J.	6UK	Heald's Business Col-	6V8	Brundige, Reginald.
6TB	Dietz, Irwin.	001	lege.	6VT	Schleicher, Lorenz,
ATC:	Wright, Howard.	6UL	Cordano, Dante H.	6ŸŪ	Vonderheide, Harold
6TĎ	Dowling, Thomas.	6ŬM	Schack, Fred.	1 0.0	H.
6TD 6TE 6TF	Heuter, Noble.	6UN	Shaw, William.	6VV	Wallace, Forrest.
6TF	Seely, Frank.	6ŬÔ	Polkinghorn, Frank	6VÝ	Kreiss, R. L.
6TG	Blodgett, Harry.	** *	A.	6VZ	Strawn, Harold,
6TH	Fabian, Ernest.	6UP	Cresswell, Frank, jr.	1	
6TI	O'Dell, James J.	6ŬQ	Thomson, C. E.	6WA	Van Why, Forbes.
6TJ	Warner, Stafford W.	6UR	Link, R. L.	6WB	Moller, Wm., jr.
6TK	Robinson, Sidney E.	6U8	Gibeon, Walter.	6WC	Kirby, H. F.
6TL	Grow, Frank.	6UT	Everard, Charles.	6WD	Martinelli, Ennio Hil-
6TM	Lee, Howard.	6UU	Shaffner, Lucius.		ler.
6TN	Snyder, Andy B.	6UV	Fassett, Lee.	6WE	Tulp, Ralph.
6TO	McFern, Arthur.	6UW	Maynes, W. W.	6WF	Ford, Walter B.
6TP	Johnson, Harold.	6UY	Everharty, Lawrence.	6WG	Strong, William A.
6TQ	Emmerton, Alfred.	6UZ	Schellenbach, Ray.	6WH	Fabling, W. D.
6TQ 6TR	Farrill, Raymond.			6WI	Powell, Jos.
6TT	Stewart, Francis.	6VA	White, Richard.	6WJ	Bickel, John.
6TU	Barnett, Thomas.	6VC	Gottwald, Eugene.	6WK	Nickels, Lee. Leland, Wallace.
6TV	Beitel, T. Benton.	6VD	Loudon, Donald F.	6WL	Leland, Wallace.
6TW	Taylor, Hope.	6VE	Beraldo, Dewey.	6WM	Ludlow, William. Klem, Cleve.
6TX	Thacker, R. M.	6VF	Leigh, P. P.	6WN	Klem, Cleve.
6TY	York, Darwin.	6VG	Fowler, L. D.	6WO	Walters, W. E.
6TZ	Christenson, Howard.	6VH	Blackstone, C. M.	6WP	Brown, N. C.
4	l	6VI	Pressell, W. R.	6WQ	Cowles, John. Spare, Wilson.
6UA	Asadorian, Theodore	6VJ	Kinsman, Jos. W.	6WR	spare, wuson.
	N.	6VK	Kemp, Victor.	6W8	Schneider, W. P.
6UC	Nusser, George.	6VL	Bell, Oran M.	6WT	Mann, Frank.
6UD	Bitz, Vernice.	6VM	Clark, Herbert.	6WU	Weddell, Clarence.
6UE	Kramer, Augustus A.	6VN	Carter, Robert.	6WV	Webb, Walter R. Ebert, William.
6UH	Gates, Howard.	6VO	Lee, John.	6WX	Loert, william.
6UI	Helmer, Glenn.	6VP	Redmond, Joseph.	6WY	Young, William.
6UJ	Day, E. C.	6VR	Sisson, W. L.	OWZ	Berringer, Hall.

#### SEVENTH DISTRICT.

Headquarters: Federal Building, Seattle, Wash. The seventh district comprises the States of Oregon, Washington, Idaho, Montana, Wyoming, and the Territory of Alaska.]

#### ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power
			Kw.
7KH	Adams, Alfred L		
7EA	Adams, Edison	1131 South E St., Tacoma, Wash	
7KK	Adams, Le Roi T	364 Monroe St., Portland, Oreg	
7DE	Aiken, Robert L	306 W. Monawk St., Portland, Oreg	
70F	Allard, Ambrose		
7LC 7HA	Anderson, Leonard	2105 45th St., SW., Seattle, Wash	1.
7HA 7KJ	Andrews, Horton R	109 Cherry St., Centralia, Wash	1.
7BJ	Baillargeon, George J	St. Martin's College, Lacey, Wash	1.
7FD	Bancroft, Harvey	3024 Kromer Ave., Everett, Wash	
7JA	Barnhisel, Howard		
7BU	Barrell, Dana A.	839 W. Pennsylvania Ave., Medford, Oreg	
7LS	Barrett, George G	1200 9th Ave., Lewiston, Idaho	1
7BF	Bay, Frank W	1513 Adams Ave., La Grande, Oreg	1
7BL	Bennett, John S		
7QD	Benoit, Neville R		
7VB	Bird, Vernon J		
7BA	Bishoff, Clarence L	7417 53d Ave. SE., Portland, Oreg.,	
7DJ	Blagen, Henry W	914 Maple St., Hoguiam, Wash	1.
7PC	Boardwell, Perry L	Camas, Wash	
70K	Bode, Hugo P	6315 Beacon Ave., Seattle, Wash	1
7DB	Bolstad, Archie L	1832 4th Ave., W., Seattle, Wash	
7TB	Borders, Lawrence	1084 Water St., Portland, Oreg	
7BT	Boslar, Orin E	Vancouver, Wash	
7HB	Breum, Helmer O	3416 S. Madison St., Tacoma, Wash	1.
7GB	Butterfield, George H	815 Kearney St., Portland, Oreg	1

#### SEVENTH DISTRICT-Continued.

Call ignal.	Owner of station.	Location of station.	Power
		593 15th St., Astoria, Oreg 119 E. 5th St., Aberdeen, Wash 1913 E. Alder St., Seattle, Wash 1704 Franklin St., Vancouver, Wash 511 Terry Ave., Seattle, Wash 3637 Woodland Park Ave., Seattle, Wash 108 Galer St., Seattle, Wash 112 W. Poplar St., North Yakima, Wash 112 W. Poplar St., North Yakima, Wash 112 W. Poplar St., North Yakima, Wash 112 W. Poplar St., Portland, Oreg 234 North I St., Tacoma, Wash 1420 Division Ave., Tacoma, Wash 1420 Division Ave., Tacoma, Wash 1420 Division Ave., Bozeman, Mont 3915 Colby St., Everett, Wash 318 N. Black Ave., Bozeman, Mont 3915 Colby St., Everett, Wash 3015 63d Ave., SE., Portland, Oreg 1904 Canoe Pl., Seattle, Wash 1002 E. Jefferson St., Seattle, Wash 1010 E. Th St., Vancouver, Wash 2304 N. Anderson St., Tacoma, Wash 2304 N. Anderson St., Tacoma, Wash 2304 N. Anderson St., Tacoma, Wash 2304 N. Anderson St., Tacoma, Wash 2305 Gerald Ave., Missoula, Mont 207 S. Cushman Ave., Tacoma, Wash 335 Grove St., Walla Walla, Wash 39 N. 9th Ave., North Yakima, Wash 1010 Spring St., Olympia, Wash 2345 Ferdinand St., Seattle, Wash 1010 Spring St., Olympia, Wash 2345 Ferdinand St., Seattle, Wash 1105 West A St., North Yakima, Wash 111 E. 48th St., Portland, Oreg 117 N. Miles Ave., Spokane, Wash 128 Jeth St., Hood River, Oreg 129 T. N. Miles Ave., North Yakima, Wash 130 Grand Ave., Astoria, Oreg 217 N. Miles Ave., North Yakima, Wash 226 Ferdinand St., Saltle, Wash 237 Grand Ave., Astoria, Oreg 217 N. Miles Ave., North Yakima, Wash 227 Grand Ave., Astoria, Oreg 228 Grand Ave., Astoria, Oreg 229 Cusmmerst., Sheridan, Oreg 230 Heights Ter., Portland, Oreg 242 Hemlock St., Portland, Oreg 243 Hemlock St., Portland, Oreg 248 Hemlock St., Portland, Oreg 249 Hemlock St., Portland, Oreg 240 Hemlock St., Portland, Oreg 241 Hemlock St., Portland, Oreg 242 Hemlock St., Portland, Oreg 243 Hemlock St., Portland, Oreg 244 Hemlock St., Port	Kw.
MK	Callender, Melville H	593 15th St., Astoria, Oreg	0.
CT	Carpenter, Edward L., jr	119 E. 5th St., Aberdeen, Wash	
HE	Carpenter, Edward L., jr Carroll, Thomas M Cates, Walter C	1913 E. Alder St., Seattle, Wash	1.
WC	Cavender Howard M	511 Town Ave Scottle Week	1.
OF	Cavender, Howard M Chaffee, Arthur L	2627 Woodland Park Ava Souttle Wash	
NA	Charlton, Chase	108 Galer St. Seattle Wash	
00	Christianson, Herbert	112 W. Poplar St., North Yakima, Wash	
LI QF NA CQ CV	Clark, G. Warren	Lents, Oreg	1.
AE	Clark, Gaylord S	Greybull, Wyo	2 3
NU	Clodfelter, Nolan A	1221 E. Madison St., Portland, Oreg	
RC EI	Cook, Richard H	324 North I St., Tacoma, Wash	1.
EI	Craig, Russell E	1420 Division Ave., Tacoma, Wash	
DC	Crockett, George D	1420 Hawthorne Ave., Portland, Oreg	
CA	Cutting H Everett	210 N. Plack Ave. Posemen Mont	
AC	Dailey A C	3015 Colby St Everett Wesh	1.
HC AC DP	Dann, Percy W	6315 63d Ave., SE., Portland, Oreg.	4
HD	Davis, Hubert A	1904 Canoe Pl., Seattle, Wash	1.
AT	Deady, Joseph	1002 E. Jefferson St., Seattle, Wash	37.78
DO EG EM	De Guire, Olfan	Silverton, Oreg	
D	Christianson, Herbert. Clark, G. Warren Clark, Gaylord S. Clodfelter, Nolan A Cook, Richard H Craig, Russell E Crockett, George D Crosby, Edward J Cutting, H. Everett. Dailey, A. C Dann, Percy W Davis, Hubert A Deady, Joseph De Guire, Olfan. De Lacy, Clinton Denham, Ray A.	1906 South J St., Tacoma, Wash	
CG.	Denham, Ray A.  Divine, Louis R.  Drake, Edward F.  Drinker, Russell.	3230 Campbell St., Baker, Oreg	1.
EM	Divine, Louis R	1010 E. 7th St., Vancouver, Wash	
DK DQ VD	Drinker Bussell	1002 Lynn Ave. Portland Oreg	1.
VD	Du Cette Victor	4023 Meridian Ava Seattle Wash	1.
NK	Duncan, Thomas W	802 Gerald Ave., Missoula, Mont.	* :
DT CN DN	Dupea, Eldred E	707 S. Cushman Ave., Tacoma, Wash	
CN	Du Cette, Victor. Duncan, Thomas W Dupea, Eldred E Emigh, Charles Engholm, Bernard	335 Grove St., Walla Walla, Wash	1.
DN	Engholm, Bernard	9 N. 9th Ave., North Yakima, Wash	1.
FF	Farris, Frank E Fitzpatrick, George. Fraser, James E Gale, Charles W Gianelli, Salver A Gibbs, Francis F Goodner, Ernest F. Goodger, Donnan P Gratke, Charles E. Grush, David R.	1010 Spring St., Olympia, Wash	
7W	Fitzpatrick, George	3245 Ferdinand St., Seattle, Wash	
FI	Cole Charles W	1105 West A St., North Yakima, Wash	
SG.	Gianalli Salvar A	517 E. Sharn Ava Spokana Wash	
3F	Gibbs Francis F	512 E. 4th St. Hood River Oreg	1
NT.	Goodner, Ernest F	Lincoln High School, Seattle, Wash	1.
NL DI	Goodger, Donnan P	4214 Interlake Ave., Seattle, Wash	
3R	Gratke, Charles E	517 Grand Ave., Astoria, Oreg	
1D	Grush, David R. Hagen, Bert W. R. Hager, Clement S. Harder, Louis.	383 19th St., Astoria, Oreg.	
30	Hagen, Bert W. R	217 N. Miles Ave., North Yakima, Wash	
RI J	Hager, Clement S	1019 E. 54th St., Tacoma, Wash	13.00
Ĭ	Harding James R	3431 Commercial St. Salam Oreg	1
ČC	Harker, Theodore C.	920 Sumper St., Sheridan, Wyo.	3/3/9
EE	Hawkins, Edward K	1800 27th Ave. S., Seattle, Wash	- 98
EE HO	Hawkins, Ernest P	556 Grand Ave., Astoria, Oreg	
$\mathbf{Q}$	Hayden, Henry T., jr	Port Townsend, Wash	
OC	Heifort, Earle R	707 Lincoln St., Port Townsend, Wash	
3C	Henny, George C	530 Heights Ter., Portland, Oreg	
N	Horstman Herschol I	807 4th St. La Granda Oreg	
SO.	Harder, Louis.  Harding, James R.  Harker, Theodore C.  Hawkins, Edward K.  Hawkins, Enest P.  Hayden, Henry T., jr.  Helfort, Earle R.  Henny, George C.  Holloway, William L., jr.  Horstman, Herschel J.  Howard, Cecil C.  Hunter, Guy A.  Hurtt, John N.  Ives, Jesse F.  Johnson, Clifford E.  Jolly, Charles W.  Jones, Lloyd W.  Jones, Paul.  Josephson, Carl L.	807 4th St., La Grande, Oreg. 408 Benton St., Portland, Oreg. 518 Willow St., Port Townsend, Wash. 1067 E. Burnside St., Portland, Oreg. 301 N. 32d St., Seattle, Wash. 1004 N. Adams St., Tacoma, Wash. 507 Prospect Ave., Lewiston, Idaho. 134 E. 45th St., Portland, Oreg. Wheatland, Wyo.	
3Q 3P	Hunter, Guy A	518 Willow St., Port Townsend, Wash	200
Ĥ	Hurtt, John N.	1067 E. Burnside St., Portland, Oreg.	
H	Ives, Jesse F	301 N. 32d St., Seattle, Wash	
I P	Johnson, Clifford E	1004 N. Adams St., Tacoma, Wash	
P	Jolly, Charles W	507 Prospect Ave., Lewiston, Idaho	
L J J	Jones, Lloyd W	134 E. 45th St., Portland, Oreg	- 3
J	Jones, Paul	W neatland, W yo	
SV	Josephson, Carl L Joyce, Theodore W Keefe, Robert M	206 E 10th St N Portland Orag	
R	Keefe, Robert M	121 Avenue D. Snohomish, Wash	12 16
0	Keinath, Alvin	246 Going St., Portland, Oreg.	
VJ	Kennedy, William	Tillamook, Oreg	1.
2.K	Kertson, Ross J	322½ E. 28th St., Portland, Oreg	- 1
C_	Keyes, John A	1004 North K St., Tacoma, Wash	1
VK	Kleist, Walter A	902 S. Yakima Ave., Tacoma, Wash	1.
VK CO V	Koehler, Frank A	603 E. Davis St., Portland, Oreg	
V	Krait, Vincent I	4/45 N. 11th Ave., Seattle, Wash	1.
K	Larson, Elwood A	Forest Grove Oreg	
Q	Lewis Harold H	Wheatland, Wyo. 638 Commercial St., Astoria, Oreg. 206 E. 19th St. N., Portland, Oreg. 121 Avenue D, Snohomish, Wash. 246 Going St., Portland, Oreg. Tillamook, Oreg. 322½ E. 28th St., Portland, Oreg. 1004 North K St., Tacoma, Wash. 902 S. Yakima Ave., Tacoma, Wash. 603 E. Davis St., Portland, Oreg. 4745 N. 11th Ave., Seattle, Wash. 733 E. 38th Ave., Spokane, Wash. Forest Grove, Oreg. R. F. D. No. 2, Lewiston, Idaho. 506 Mill St., Portland, Oreg. Evanston, Wyo.	
L	Ling, Frank Mov	506 Mill St., Portland, Oreg	
, Q	Time, Train moj	OUT MALL DULY I DI DIGITULY OLD	

#### SEVENTH DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Power
			Kw.
7HL	Longmire, Harold D. Ludgate, Wallace, jr. Lunan, Leslie. Lyman, Rollo Mahan, Le Roy J. Mahler, Harold E.	408 32d St. S., Tacoma, Wash	
7LU	Ludgate, Wallace, jr	2190 Alki Ave., Seattle, Wash	:
7LL	Lunan, Leslie	806 South M St., Tacoma, Wash	
7LN 7LB	Lyman, Rollo	408 32d St. S., Tacoma, Wash. 2190 Alki Ave., Seattle, Wash. 806 South M St., Tacoma, Wash. 905 N. Ave., La Grande, Oreg. 644 Exchange St., Astoria, Oreg. 4730 20th Ave. NE., Seattle, Wash. 2922 S. Adams St., Tacoma, Wash. 1816 E. Jefferson St., Seattle, Wash. 618 Spring St., Seattle, Wash. 817 N. 13th St., Tacoma, Wash. 3566 Morgan St., Seattle, Wash. 104 Depot St., Milton, Oreg. 251 St. Clair St., Portland, Oreg.	1.
7LB	Mahan, Le Roy J	644 Exchange St., Astoria, Oreg	1.
7HK	Mahler, Harold E	4730 20th Ave. NE., Seattle, Wash	1.
7MT		2922 S. Adams St., Tacoma, Wash	1.
7GL	Manca, Angelo C	619 Spring St. Scottle, Wash	
7MQ 7DL	Marquis, A. N., jr. Mason, Dwight A. Mason, Howard F.	817 N 13th St Tacoma Wash	
7ML	Mason Howard F	3566 Morgan St., Seattle, Wash	
78A	Maybee, Loren C	104 Depot St., Milton, Oreg.	
7TW	McCord, David T. W	251 St. Clair St., Portland, Oreg	
7DU	McCoy, Harry	116 N. Washington Ave., Centralia, Wash	1.
7DU 7CU 7CP	Maybee, Loren C. McCord, David T. W. McCoy, Harry. McDermott, Thomas H. McElwee, James. McKinnon, Daniel. Mad. Walter I.	251 St. Clair St., Portland, Oreg. 116 N. Washington Ave., Centralia, Wash. 339 26th Ave., Seattle, Wash.	
7CP	McElwee, James	301 N. Grand Ave., Bozeman, Mont	
7DD 7MJ	McKinnon, Daniel	Nebelem Oreg	1
7MJ	Mead, Walter J	204 11th St. Portland Oreg	1.
7FJ 7EM	Miller E Clarence	504 E. Republican St., Seattle, Wash	
7MF	Mead, Walter J. Miller, Clinton E. Miller, E. Clarence. Miller, George C. Miller, Devrall	Spiketon, Wash.  Nehalem, Oreg. 394 11th St., Portland, Oreg. 504 E. Republican St., Seattle, Wash. 1005 E. Division Lane, Tacoma, Wash.	1
7DM	Minkler, Darrell. Mitchell, Walter L	9 Mistletoe St., Medford, Oreg.	1
7MW	Mitchell, Walter L	3613 Densmore Ave., Seattle, Wash	
7AG 7AF	Moo George	9 Mistletoe St., Medford, Oreg. 3613 Densmore Ave., Seattle, Wash. 4118 Tyler St., Tacoma, Wash. 634 E. 56th St., Portland, Oreg. Queene Anne High School, Seattle, Wash. Rathdrum, Idaho. 3115 S. 7th St., Tacoma, Wash. 4028 East K St., Tacoma, Wash. Snohomish. Wash.	1
7AF	Moore, Alvin Moore, E. H. Nelson, Julius F.	634 E. 56th St., Portland, Oreg	
7QN 7NK	Moore, E. H	Queene Anne High School, Seattle, Wash	
7NK		Rathdrum, Idaho Wash	
70N	Nicholson, W. Otto. Nilsen, George A. Noel, Lionel S. Norman, Stacy W. O'Connell, John. O'Connor, William C. Ormsby, Major. Palmer, Robert S. Patterson, Fred	4009 Fact V St. Tacoma, Wash	1
7NH 7LD	Nacl Tional S	Snohomish, Wash	
7SN	Norman Stacy W	137 79th St., Seattle, Wash	
7EN	O'Connell, John	1104 O Ave., La Grande, Oreg.	
70 A	O'Connor, William C	1029 E. Clackamas St., Portland, Oreg	
70 A 70 M 7P K 7P L	Ormsby, Major	104 O Ave., La Grande, Oreg. 1029 E. Clackamas St., Portland, Oreg. 438 S. Center St., Casper, Wyo. 1321 Columbia St., Hood River, Oreg.	1.
7PK	Palmer, Robert S	1321 Columbia St., Hood River, Oreg	1
7PL	Patterson, Fred	865 Williams Ave., Portland, Oreg. 4916 Wallingford Ave., Seattle, Wash.	
	Peek, Loyd A	4916 Wallingford Ave., Seattle, Wash	1
TEP	Peterson, Edward T	1220 9th Ave. Scottle Week	1
7EP 7HN 7VP 7PO	Pitner Veerl	718 E. Ash St., Portland, Oreg. 1330 8th Ave., Seattle, Wash. 4118 St. Grand Blvd., Spokane, Wash. Wallows, Oreg	1
7PO	Poole Orell A	Wallowa Oreg	1
7WP	Ralston, Graham W	Port Townsend, Wash	
7JS	Ramsay, James S	215 E. 9th St., Ellensburg, Wash	
7JS 7PF	Rasmussen, Viggo P	1215 Hudson St., Port Townsend, Wash	
7JQ 7GQ	Ray, James	2028 6th Ave., Seattle, Wash	1
7GQ	Reeder, Ardis H	412 South K. St., Tacoma, Wash	
7HR	Reichert, Howard G	1014 E. 30th St., Tacoma, Wash	1
7JN 7AV 7BN	Poot Charles W	145 Matte St., Meaderville, Mont	
7RN	Rose Donald W	717 Lynn Ave. Portland, Oreg	1
7AP	Patterson, Fred. Peek, Loyd A. Peterson, Edward T. Pitner, Vearl. Poole, Orell A. Ralston, Graham W. Ramsay, James S. Rasmussen, Viggo P. Ray, James. Reeder, Ardis H. Reichert, Howard G. Richards, John, Ir. Root, Charles W. Rose, Donald W. Rose, Donald W. Rosedale, Archie E.	267 9th St., Astoria, Oreg.	1 1 1
7kD	Rose, Donaid W Rosedale, Archie E Runyard, A. Don Rush, Floyd M Rybert, Roy E Samms, Philip C Sanborn, Ned	4118 9. Grand Blvd., Spokane, Wash. Wallowa, Oreg. Port Townsend, Wash. 215 E. 9th St., Ellensburg, Wash. 215 E. Holdson St., Port Townsend, Wash. 2028 6th Ave., Seattle, Wash. 412 South K St., Tacoma, Wash. 1014 E. 30th St., Tacoma, Wash. 1014 E. 30th St., Tacoma, Wash. 143 Matte St., Meaderville, Mont. 905 S. Jersey St., St. Johns, Oreg. 717 Lynn Ave., Portland, Oreg. 207 9th St., Astoria, Oreg. 706 Dakota St., Medford, Oreg. 903 S. 13th St., Salem, Oreg. 525 Federal Ave., Seattle, Wash. 415 9th Ave. S., Pocatello, Idaho. 501 M St., Hoquiam, Wash.	1
7FR 7RF	Rush, Floyd M	930 S. 13th St., Salem, Oreg	
7RF	Rybert, Roy E	525 Federal Ave., Seattle, Wash	
7SP	Samms, Philip C	415 9th Ave. S., Pocatello, Idaho	1
7NS	Sanborn, Ned	501 M St., Hoquiam, Wash	
78D 7BK	Sanborn, Ned Schurch, Edward C Smeak, Earl. Sparks, A. Eldon.	Deer Lodge, Mont. 490 Morrison St., Portland, Oreg. 1029 Walnut St., Baker, Oreg.	
7SC	Sparks A Eldon	1029 Walnut St., Baker, Oreg	
7GE	Sparks, A. Eldon	446 6th St. Portland, Oreg	
7WS	Sparrow, William T.	932 W. 63d St., Seattle, Wash	1
7CS	Spike, Clifford	806 South I St., Tacoma, Wash	
7MR	Spiker, Emmet E	715 10th St., Lewiston, Idaho	1
7RS 7MS	Starr, Eugene C	1029 Wallut St., Baker, Oreg. 446 6th St., Portland, Oreg. 932 W. 63d St., Seattle, Wash. 806 South I St., Tacoma, Wash. 715 10th St., Lewiston, Idaho. Falls City, Oreg.	
7MS	Steensen, Mark D. S	206 N. Nachez Ave., North Yakima, Wash	
7LV	Spencer, Guy E. Sparrow, William T Spike, Clifford Spiker, Emmet E Starr, Eugene C. Steensen, Mark D. S. Stenso, Alvin. Stewart Glenn B	1922 South J St., Tacoma, Wash   1922 South J St., Tacoma, Wash   111 W. 8th St., Ellensburg, Wash   2428 Pacific Ave., Hoquiam, Wash   R. F. D. No. 1, Astoria, Oreg   1461 Portsmouth Ave., Portland, Oreg   Cornes Wash   Wash   1922   1923   1924   1924   1924   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   1925   192	1
78J 78L	Stewart, Glenn R. Stinson, Leo. Stoner, Lloyd E. Swan, Emil. Teeson, Robert.	2428 Pacific Ave Hooniam Wash	1 1
78F	Stoper Lloyd E	R F D No. 1 Astoria Oreg	
78W	Swan, Emil	1461 Portsmouth Ave., Portland, Oreg.	1
7RH	Teeson, Robert		1
7DH	Tennican, Leonard S	4016 Colby Ave., Everett, Wash	1
7NF	Tennican, Leonard S. Tingstad, Anton R Tolmie, Mack R. Trapeur, Robert E. Truesdell, Herbert M	Camas, Wash. 4016 Colby Ave., Everett, Wash. 2128 S. Wilkeson St., Tacoma, Wash.	
7JR	Tolmie Mack R	1213 Columbia St., Seattle, Wash	
7RT	Tomato, much averses.		

# SEVENTH DISTRICT-Continued. ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call signal.	Owner of station.	Location of station.	Power.
7FP 7JU 7VN 7VN 7KM 7KM 7SI 7WA 7MA 7AU 7BW 7DW 7LW 7LW 7LW 7LW	Trumbull, William L Tuerck, John K Van Olinda, Oliver S Vreeland, Thad. Walling, Raymond Watkins, Leslie W Weagle, S. A. White, Lester T White, Ruel. Wiley, Irving R. Wilkinson, Albert E Williams, Charles E Williams, Charles E Willson, John C. Wollsston, Arthur L Wright, Raymond F Young, Farrel.	495 Harrison St., Portland, Oreg. R. F. D. No. 1, Vashon, Wash. 210 Graham Ave., Portland, Oreg. 46 S. 12th St., Salem, Oreg. Wheatland, Wyo 2006 Cove Ave., La Grande, Oreg. 1090 Water St., Portland, Oreg. 313 W. 4th St., Vancouver, Wash. 1214 East Madison St., Portland, Oreg. Y. M. C. A. Bldg., Baker, Oreg. 8326 13th Ave. NW., Seattle, Wash. 1316 Columbia St., Seattle, Wash. 365 14th St., Astoria, Oreg. 295 N. 24th St., Portland, Oreg. 21 N. 11th Ave., Seattle, Wash. R. F. D., Port Orchard, Wash.	1.

# ALPHABETICALLY BY CALL SIGNALS.

Call signal. Owner of sta	tion. Call signal.	Owner of station.	Call	
			signal.	Owner of station.
7AC Dailey, A. C.	7 <b>D</b> T	Dupea, Eldred C.	7JH	Hurtt, John N.
7AE Clark, Gaylord		McCoy, Harry.	iji	Harding, James R.
7AF Moore, Alvin.	7DV	Sheard, Harold P.	ήΪΚ	Wilson, John C.
7AG Moe, Edwin C.		Willis, Cecil D.	ήΪ	Jones, Lloyd W.
7AI Johnson, Cliffo		Wans, cool D.	7JÑ	Richards, John, jr.
7AP Rosendale, Arc	chie E. 7EB	Galloway, Walter H.	/JP	Jolly, Charles W.
7AT Deady, Joseph		Hawkins, Edward K.	ήJQ	Ray, James.
7AU Wilkinson, A.	E. 7EG	Denham, Ray A.	7JŘ	Tolmie, J. R.
7AV Root, Charles		Noorlin, Paul V.	7JS	Ramsey, James S.
1	'' 7EI	Craig, Russell R.	7JŨ	Tuerck, John K.
7BA Bischoff, Clare		Craig, Russell R. Ives, Jesse F.		
7BA Bischoff, Clare 7BF Bay, Frank W		Divine, Louis R.	7KC	Harker, Theodore C.
7BL Bennett, John	S.   7EN	O'Connell, John.	7KH	Adams, Alfred L.
7BN Rose, Donald	W. 7EP	Peterson, Edward T.	7K1	Harrington, H. O.
7BO Keinath, Alvir		Young, Farrel.	7KJ	Armstead, James H.
7BQ Howard, Cecil	C.		7KK	Adams, LeRoy F.
7BT   Boslar, Orin E	.    7FD	Bancroft, Harvey.	7KM	Watkins, Leslie W.
7BU   Barrell, Dana	A.    7FF	Faris, Frank E.	7KO	Koehler. Frank.
7BV Joyce, Theodor	re W. 7FI	Fraser. James E.	7KR	Keefe, Robert M.
7BW   Williams, Char	rles E.   7FJ	Miller, Clinton E.		l
	7FK	Gale, Charles W.	7LB	Mahn, LeRoy J. Noel, Lionel S.
7CA Crosby, Edwar 7CD Delancey, Clin	rd J. 7FL	Ling, Frank Moy.	7LD	Noel, Lionel S.
	ton. 7FP	Trumbull, Wm. L.	7LF	White, Lester T.
7CJ Josephson, Car	1 L.   7FQ	Lewis, Harold H.	7LI	Cavender, Howard M.
7CK   Larson, Elwoo	d A. TFR	Rush, Floyd M.	7LJ	Harder, Louis.
7CN Emigh, Charle		Horstman, Herschel J.	7LL	Lunan, Leslie.
7CP McElwee, Jam	es	n	7LN	Lyman, Rollo.
7CQ Christianson,	Her- 7GB	Butterfield, Geo. H.	7I.P	Peck, Loyd A.
bert.	7GC	Henny, George C.	7LQ	Lindey, Harry.
7CS Spike, Clifford		Spencer, Guy E.	7L8	Barrett, George G.,
7CT Carpenter, Ed	lw. L., 7GF 7GL	Gibbs, Francis F.	7LU	Ludgate, Wallace G.
7CV Clark, G. Warn		Manca, Angelo C.	7LV	Stones Almin
7CV Clark, G. Warn	ren. 7GO 7GP	Hagen, Bert W. R.	7ĽW	Stense, Alvin.
7DB Bolstad, Archi		Hunter, Guy A. Reeder Addis H.	/L W	Wollaston, A. L.
7DC Crockett, Geor		Gratke, Charles E.	7M.A.	Wiley, Irving R.
7DE Aiken, Robert		Gracke, Charles 12.	7MF	Miller, George C.
7DH Tennican, Leo		Andrews, Horton R.	7M J	Mead, Walter J.
7DI Goodger, Doni	nan. 7HD	Davis, Hubert A.	7MK	Callender, Melville H.
7DJ Blagen, Henry	W. 7HE	Carroll, Thomas M.	7ML	Mason, Howard F.
7DK Drake, Edwar		Mahler, Harold E.	7MR	Spiker, Emmett E.
7DL Mason, Dwigh		Longmire, Harold D.	7M8	Steenson, Mark.
7DM Minkler, Lee I		Pinkman, Herbert N.	7MT	Matthews, Harold.
7DN Engholm, Ber		Hawkins, Ernest P.	7M.W	Mitchell, Walter.
7DO Deguire, Olfan		Hayden, Harry T., jr.	1	
7DP Dann, Percy V	V.   7HR	Reichert, Howard G.	7NC	Clodfelter, Nolan A.
7DQ Drinker, Russ		Hicklyn, Harold H.	7ND	Grush, David B.

#### SEVENTH DISTRICT-Continued.

# ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Owner of station.	Call zignal.	Owner of station.	Call signal.	Owner of station.
7NF 7NH 7NI 7NK 7NL 7NB	Tingstad, Anton R. Nilson, George A. Learned, George H. Nelson, Julius F. Goodger, Ernest F. Sanborn, Ned.	7QD 7QF 7QN 7RC 7RD 7RF	Benoit, Neville R. Chaffee, Arthur L. Moore, E. H. Cook, Richard H. Runyard, A. Don.	78L 78N 78P 78W	Stinson, Leo. Norman, Stacy W. Samms, Philip C. Swan, Emil. Borders, Lawrence.
70 A 70 C 70 F 70 K 70 M 70 N	O'Connor, William C. Heifort, Earle R. Allard, Ambrose. Bode, Hugo P. Ormsby, Major. Nicholson, Wm. O.	7RF 7RH 7RI 7RK 7RS 7RT 7RW	Ryeberg, Roy E. Tesson, Robert. Hager, Clement 8. Kertson, Ross J. Starr, Eugene C. Trapeur, Robert E. Wright, Raymond F.	7VA 7VB 7VD 7VN 7VP 7VW	Vreeland, Thad. Bird, Vernon. Ducette, Victor N. Van Olinda, O. S. Pitner, Veral. Fitzpatrick, George.
7PF 7PG 7PJ 7PK 7PL 7PO 7PV	Rasmussen, Viggo P. Truesdell, Herbert M. Jones, Paul. Palmer, Robert S. Patterson, Fred. Poole, Orell A. Kraft, Vincent I.	78 A 78 C 78 D 78 F 78 G 78 H 78 I 78 J	Maybee, Loren C. Sparks, Aurelius E. Schurch, Edward C. Stoner, Lloyd E. Gianelli, Salver A. Schrotke, Christian. Weagel, S. A. Stewart, Glann R.	7WA 7WC 7WJ 7WK 7WL 7WP 7WR 7W8	'White, Ruel. Cates, Walter C. Kennedy, Will. Kleist, Walter A. Wilson, Herbert A. Ralston, Graham W. Walling, Raymond. Sparrow, William T.

#### EIGHTH DISTRICT.

[Headquarters: Customhouse, Detroit, Mich. The eighth district comprises the States of New York (all counties not included in second district), Pennsylvania (all counties not included in third district), West Virginia, Ohio, and Michigan (Lower Peninsula).]

#### ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power.
100			Kw.
SÉS	Aber, Ernest M., jr	352 W. Ferry St., Buffalo, N. Y.	0.3
8BT	Ackerman, Edmund K	1698 E. 90th St., Cleveland, Ohio	1.0
8VO	Ackerman, John T., jr	330 Mathewson St., Flint, Mich	
8ARX	Ackley, William J	72 Halstead Ave., Buffalo, N. Y	
SAOR	Adams, Joy C	48 N. Wabash Ave., Battle Creek, Mich	1.0
8UY	Adams, Lucius O	85 De Russey St., Binghamton, N. Y	1.0
8AKU	Adams, Miles R	Sanitaria Springs, N. Y.	
8ALN	Addis, Roy R	46 Jones St., Mt. Clemens, Mich	1.0
8DZ	Aker, Ellison E	520 Woodward Ave., Lima, Ohio	1.0
SAEQ.	Albertson, W. Charles	5400 Stanton Ave., Pittsburgh, Pa	1
8RL	Alexander, Frank	34 Asbury St., Rochester, N. Y	
SALE	Alexander, Lot and Hoge	537 Center St., Grove City, Pa	
8RS	Alger, Allan E	214 Arizona Ave., Lorain, Ohio	1.
8AMJ	Allan, Donald	3237 Dayton Ave., Cincinnati, Ohio	
8WC	Allyn, William P	Glenville High School, Cleveland, Ohio	1.
8AMG	Altdoerffer, Frank H	633 Maplewood Ave., Ambridge, Pa	
8RN	Altman, Allen R	6710 Hudson Pl., Pittsburgh, Pa	1.
8AJO	Amann, Joseph C	393 Oak Hill Ave., Youngstown, Ohio	
8TX	Anders, Harry R	Decatur, Mich	
8JW	Anderson, Joseph D	631 E. 127th St., Cleveland, Ohio	1.
8AAB	Anderson, L. R	Youngstown, Ohio	
8KH	Angel, Jay L	R. F. D. No. 1, Bowling Green, Ohio	
8KA	Ankerman, Roy E	403 E. Lima St., Wapakoneta, Ohio	1.
8AMQ	Anson, Charles T	Ausable Forks, N. Y	
8AGG	Anton, William G	224 S. Rebecca St., Pittsburgh, Pa	
8DW	Apger, Charles O	555 18th St., Detroit, Mich	
8NL	Appel, Floyd	310 Short St., Erie, Pa	
8NG	Arenson, William	241 W. Exchange St., Akron, Ohio	1.
8JN	Arthurs, Biddle, jr	3046 Centre Ave., Pittsburgh, Pa	
8APM	Auten, George C	Oberlin, Ohio	1.
8ADY	Atkinson, Earl W	723 S. Arch Ave., Alliance, Ohio	
8ACR	Atkinson, Ward I	95 Rutgers St., Rochester, N. Y	
8ANO	Baisley, J. Everett	32 George St., Wyandotte, Mich	
8APK	Bachtel, Alfred	Akron, Ohio	
8AAW	Baer, Walter D	350 Graham St., Pittsburgh, Pa	1.
8ARF	Baillie, Howard L	264 W. Church St., Newark, Ohio	
8AKC	Bain, Ovid	1731 E. Center St., Marion, Ohio	:
8AJI	Baker, Geraid M	123 Market St., Edinboro, Pa	

#### EIGHTH DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Powe
			Kw.
8FF 8VP	Baker, Raymond S. Ball, Alfred. Balsley, James I. Balson, Donald W. Banes, Charles C. A. Barker, Gilroy.	39 Steele Ave., Gloversville, N. Y	1
8VP	Ball, Alfred	Hubbard, Ohio	1
80M	Balsiey, James 1	109 S. Cottage Ave., Connellsville, Pa	1
SEW	Banes Charles C. A	143 Chess St. Monongahala City. Pa	33
8AEH 8FW 8NU 8WW	Barker, Gilroy	Hubbard, Ohlo 109 S. Cottage Ave., Connellsville, Pa. 243 E. College St., Oberlin, Ohio. 143 Chess St., Monongahela City, Pa. 2901 W. Liberty Ave., Dormont, Pa. 215 Main St., Binghamton, N. Y. 269 S. Goodman St., Rochester, N. Y.	
8WW	Barnes, Orton S	215 Main St., Binghamton, N. Y	1
SCC	Barnett, Walter J	269 S. Goodman St., Rochester, N. Y	-318
8QE 8AB	Barker, Gilroy. Barnes, Orton S Barnett, Walter J Barnhart, Walter J Barr, Forrest L Barris, Allen Barton, Howard Basinger, Roswell Baumgardner, Donald G Beach, Walter R. Beaman, Paul S Beare, George L	269 S. Goodman St., Rochester, N. Y. Beaver, Pa	1117
8AB 8ADW	Barr, Forrest L	R. F. D. No. 1, Vickery, Unio	713
8AT	Barton Howard	3 Clay St. Le Roy, N. Y	1
8QX	Basinger, Roswell	Columbus Grove, Ohio	1
$_{ m 8QX}$	Baumgardner, Donald G	Demster, N. Y. 2180 E. 90th St., Cleveland, Ohio 91 Mill St., Binghamton, N. Y. Columbus' Ave. and Washington Row, Sandusky,	1
8SI	Beach, Walter R	2180 E. 90th St., Cleveland, Ohio	1323
8AFU	Beaman, Paul S	91 Mill St., Binghamton, N. Y.	
8JB	Beare, George L	Ohio.	1.5
8TZ	Beasley Tra E	S. Bell Ave. Lakewood, Ohio	100
8KF	Beasley, Ira E Beck, Frank G	119 Pennsylvania Ave., Greensburg, Pa	
8JP	Becker, Freeman A	885 West Ave., Buffalo, N. Y	1
8APA 8ARW	Beer, Frank P Belinson, Meyer	514 Jarvella St., Pittsburgh, Pa	1
8ARW	Belinson, Meyer	165 Cedar St., Buffalo, N. Y	
8AJU 8AIF	Bell, Charles H	Ohio. Sell Ave., Lakewood, Ohio. 119 Pennsylvania Ave., Greensburg, Pa. 885 West Ave., Buffalo, N. Y. 514 Jarvella St., Pittsburgh, Pa. 165 Cedar St., Buffalo, N. Y. 5153 Fowler Ave., Cleveland, Ohio. 819 Wall St., Port Huron, Mich. 424 Tarleton Ave., Pittsburgh, Pa. 731 W. Mary St., Bucyrus, Ohio. 174 Glasgow St., Clyde, N. Y. 1923 W. 75th St., Cleveland, Ohio. 16 Central St., Battle Creek, Mich. 326 S. 5th Ave., Ann Arbor, Mich. 499 Windham St., Cincinnati, Ohio. 608 Clark Ave., Detroit, Mich.	
SDO OGS	Bell, Irving Bell, Norman W Beller, Harold F	424 Torleton Ave. Pittsburgh Pa	
8DO 8CF	Beller, Harold F	731 W. Mary St., Bucyrus, Ohio	
8KD	Benjamin, Carlisle Bennett, Edward J. Benson, Walfred	174 Glasgow St., Clyde, N. Y	7.50
8FZ	Bennett, Edward J	1923 W. 75th St., Cleveland, Ohio	
8ANR	Benson, Walfred	16 Central St., Battle Creek, Mich	
8CD 8ML	Benz, Carroll	326 S. 5th Ave., Ann Arbor, Mich.	1 town
8AE	Berndt William F	608 Clark Ave. Detroit. Mich	200
8HS	Berry, L. Mack	131 W. Walnut St., Galion, Ohio	1. 1.4
8TY	Bidwell, Paul	9990 Euclid Ave., Cleveland, Ohio	
8WP	Benson, Wallred Benz, Carroll. Berman, Isidore A. Berndt, William F. Berry, L. Mack. Bidwell, Paul. Bidwell, Paul. Bieber, Carl W. Birkel, Lawrence J.	608 Clark Ave., Detroit, Mich. 131 W. Walnut St., Galion, Ohio. 9990 Euclid Ave., Cleveland, Ohio. 11397 Glenwood Ave., Cleveland, Ohio. 16 Hauf St., Buffalo, N. Y.	
8CM	Bieber, Carl W	16 Hauf St., Buffalo, N. Y.	
8GY 8AGL	Bishon Robert C	413 Locust St. Lockport, N. V.	1
8AGL 8AAO 8ACK	Bishop, Robert C Bishman, Richard F	67 Foster Ave., Norwalk, Ohio	153
8ACK	Blair, Russell M	3930 Ivanhoe Ave., Norwood, Ohio	100
8HL	Blake, F. B Blattner, E. Herman	16 Hauf St., Buffalo, N. Y. 700 Tibbets Ave., Springfield, Ohio. 413 Locust St., Lockport, N. Y. 67 Foster Ave., Norwalk, Ohio 3930 Ivanhoe Ave., Norwood, Ohio 3930 Ivanhoe Ave., Norwood, Ohio 37 Pardee St., Rochester, N. Y. 1358 Michigan Ave., Niagara Falls, N. Y. 624 Erie St., Port Huron, Mich 1112 W. North St., Kalamazoo, Mich. 226 E. 16th Ave., Columbus, Ohio 1054 E. High St., Springfield, Ohio 105 Beethoven St., Binghamton, N. Y. Blasdell, N. Y.	-
8FU 8LP	Blattner, E. Herman	73 Pardee St., Rochester, N. Y	
8UJ	Bly, Ralph Boardman, Thomas H	624 Frie St Port Huron Mich	115
8APN	Bock Ashley P	1112 W. North St., Kalamazoo, Mich	140
8AGZ	Bock, Ashley P Bohannan, Robert C	226 E. 16th Ave., Columbus, Ohio	
8AQI 8ALO	Bookwalter, John F	1054 E. High St., Springfield, Ohio	1 3
8ALO	Bovee, Charles W	105 Beethoven St., Binghamton, N. Y	
8AAS 8AKG	Bower, George C	Blasdell, N. Y.	
8ANB	Bohannan, Robert C.  Bookwalter, John F.  Bovee, Charles W.  Bower, George C.  Bower, Orville D.  Bower, Stanley.  Bowyer, Glenn B.  Boyer, Harry A.  Braatz, Eugene C.  Brotton Horry B.	162 Elizabeth St. Marine City. Mich	
8ANB 8AOP	Bowyer, Glenn B	Kinsman, Ohio.	
8OU 8AJG	Boyer, Harry A	89 Kibbie St., Mt. Clemens, Mich	
8AJG	Braatz, Eugene C	Lowellville, Ohio	
8SV 8CQ	Bratton, Harry B Brede, Erwin F. Brewster, Fred J. Brice, William E.	Brecksville, Ohio	
8AOK	Browster Fred I	6004 Coder Ave. Cleveland Ohio	
8AAJ	Brice, William E	714 W. Market St., Lima, Ohio	
8FR	Briggs, Fred G	221 Forest St., Marion, Ohio	
8KT	Briggs, Fred G. Brockway, Earl H. Brooks, Clarence H. Broome, Donald W.	421 E. Court St., Flint, Mich	
8TQ 8AG	Brooks, Clarence H	278 Emerson St., Rochester, N. Y	
8AG 8AIM	Broome, Donald W	Wellington Ohio	
8VC	Brown Arthur B	1218 E Frie Ave Lorein Ohio	
8VC 8ADP	Brown, Clarence W	R. F. D. No. 25, Akron, Ohio.	
8NY	Brown, Fred C	Port Clinton, Ohio	
SUD	Broome, Donald W Brothers, Loyd C. Brown, Arthur B. Brown, Clarence W Brown, Fred C. Brown, Kenneth W	640 Harrison Ave., Scranton, Pa	
8ANW	Brown, Le Roy	R. F. D. No. 8, Hamilton, Ohio	
8WZ 8AAP	Brown Stanley F	150 W. KIVET St., WIIKES-Barre, Pa	
8AAU	Brownell, Ralph	854 Prendergest Ave. Jamestown, N. V	
8AHE	Brown, Kenneth W. Brown, Le Roy. Brown, Ralph M. Brown, Stanley E. Brownell, Ralph. Bruning, Miles F. Buck, Edward H. Bunning, Theodore. Burberry, Mahlon R.	1054 E. High St., Springfield, Ohio. 105 Beethoven St., Binghamton, N. Y. Blasdell, N. Y. 834 4th St., Marietta, Ohio. 162 Elizabeth St., Marine City, Mich. Kinsman, Ohio. 89 Kibbie St., Mt. Clemens, Mich. Lowellville, Ohio. 55 Melbourne Ave., Detroit, Mich. 6904 Cedar Ave., Cleveland, Ohio. 714 W. Market St., Lima, Ohio. 221 Forest St., Marion, Ohio. 421 E. Court St., Flint, Mich. 78 Emerson St., Rochester, N. Y. 100 Grand Ave., Mt. Clemens, Mich. Wellington, Ohio. 1218 E. Erie Ave., Lorain, Ohio R. F. D. No. 25, Akron, Ohio. Port Clinton, Ohio. 640 Harrison Ave., Seranton, Pa. R. F. D. No. 8, Hamilton, Ohio. 156 W. River St., Wilkes-Barre, Pa. 1 Aurora St., Lancaster, N. Y. 854 Prendergast Ave., Jamestown, N. Y. 2842 Mt. Pleasant Ave., Hamilton, Ohio. 1671 Bruce St., Cincinnati, Ohio. 1671 Bruce St., Cincinnati, Ohio. 1671 Bruce St., Cincinnati, Ohio. 1671 Gruce St., Cincinnati, Ohio. 1671 Bruce St., Cincinnati, Ohio.	18
8VS 8ARO	Buck, Edward H	61 Walker St., Tiffin, Ohio	

# EIGHTH DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power
		77 Hastings Ave., East Cleveland, Ohio. 5283 W. Center St., Marion, Ohio. 251 Goodwin Ave., Detroit, Mich. 822 S. McDonel St., Lima, Ohio. R. F. D. No. 2, Hamburg, N. Y. 604 N. Baxter St., Lima, Ohio 286 Garson Ave., Rochester, N. Y. 113 W. John St., Martinsburg, W. Va. 7209 Clinton Ave., Cleveland Ohio. 68 E. Elm St., Norwalk, Ohio 238 W. Wood St., Youngstown, Ohio 191 Goulding Ave., Buffalo, N. Y. 345 Whitman Ave., Bloomsburg, Pa. R. F. D. No. 44, Weedsport, N. Y. 255 Main St., Binghamton, N. Y. 645 W. Ferry St., Buffalo, N. Y. 1203 N. Rose St., Kalamazoo, Mich. 456 Mahoning St., Lehighton, Pa. 448 Bowery St., Akron, Ohio 2136 W. 100th St., Cleveland, Ohio. 5309 Ellsworth Ave., Pittsburgh, Pa. 203 N.=Ash St., St. Marys, Ohio. 4821 Centre Avenue, Pittsburgh, Pa. 37 Maple St., Jamestown, N. Y. 65 W. Union St., Wilkes-Barre, Pa. 14234 Detroit Ave., Cleveland, Ohio. 1246 Roosevelt Ave., Flint, Mich. 312 2d St., Marieta, Ohio.	Kw.
8VZ 8AQN 8AIS	Burchard, William K Burdg, Clarence E	77 Hastings Ave., East Cleveland, Ohio	0.
BAQN	Burdg, Clarence E	5284 W. Center St., Marion, Ohio	
SFI	Burdick, George M. C Burger, Richard W	822 S. McDonel St. Lima Obio	:
SABA	Burgwardt, Frederick C., ir.	R. F. D. No. 2. Hamburg, N. Y	:
SANJ	Burgwardt, Frederick C., jr Burgoon, Wesley Burkhardt, George E	604 N. Baxter St., Lima, Ohio	
SANJ SALU	Burkhardt, George E	286 Garson Ave., Rochester, N.Y	1.
8AGH	Burrs, Herman E. Burr, Gordon. Burr, Roy C. Burson, John I. Burtis, Melvin M.	113 W. John St., Martinsburg, W. Va	1.
8GA	Burr, Gordon	7209 Clinton Ave., Cleveland, Ohio	1.
8RD	Burr, Roy C	938 W Wood St Voungetown Obje	1.
STA SAGM	Burtis Melvin M	191 Goulding Ave., Buffalo, N. Y.	1.
8CN	Burton, James F	345 Whitman Ave., Bloomsburg, Pa	î.
8CT	Bush, Claude M	R. F. D. No. 44, Weedsport, N. Y	
8WO	Burton, James F. Bush, Claude M. Bush, Richard A. Bushnell, Clarence E.	255 Main St., Binghamton, N.Y	1.
8MH	Bushnell, Clarence E	1902 N. Perry St., Bullalo, N. Y.	
8AID 8LN	Butine, Arthur B Butler, Harry F Cady, Fred L.	456 Mahoning St. Lahighton Pa	1.
RATA	Cady Fred L	448 Bowery St., Akron, Ohio.	1.
8AEX 8VR 8VH 8VY	Calkins, Norman	2136 W. 100th St., Cleveland, Ohio	
8VR	Calvert, George C	5309 Ellsworth Ave., Pittsburgh, Pa	1.
8VH	Candler, Charles and Emma.	203 N. Ash St., St. Marys, Ohio	1.
8VY	Caplan, Zola	4821 Centre Avenue, Pittsburgh, Pa	
8AGW	Corporter Donald F	65 W. Union St. Wilkes-Rarre Pa	1. 1.
8ANY 8AIT	Calkins, Norman Calvert, George C Candler, Charles and Emma Caplan, Zola. Carlson, Wendell L Carpenter, Donald F Carpenter, Bears Corr. Lyring E	14234 Detroit Ave., Cleveland, Ohio.	1.
8ASO	Carry Irving E. Carroll, Stanley W Carson, William H Carver, Alfred J Case, J. Gifford.	1246 Roosevelt Ave., Flint, Mich. 1246 Roosevelt Ave., Flint, Mich. 12 2d St., Marietta, Ohio. 1140 James St., Kalamazoo, Mich. 53 Wecker St., Buffalo, N. Y. 76 Lozier St., Rochester, N. Y.	
8AIY	Carroll, Stanley W	312 2d St., Marietta, Ohio	
8MV	Carson, William H	1140 James St., Kalamazoo, Mich	
8ED 8VF 8VI	Carver, Alfred J	53 Wecker St., Bullalo, N. Y	1.
OVI	Case, J. Gillord	Renzonia Mich	1.
8PB	Case, Theodore J.	Benzonia, Mich 1609 S. University Ave., Ann Arbor, Mich. 21 Dekalb St., Dayton, Ohio. 301 Chestnut St., Dunmore, Pa.	1.
8ABG	Caswell, Frank A	21 Dekalb St., Dayton, Ohio	
SAEG SVP	Cawley, Eugene H	301 Chestnut St., Dunmore, Pa	
8VP	Case, J. Gifford. Case, Harlow M. Case, Theodore J. Caswell, Frank A. Cawley, Eugene H. C. F. Jackson Co. Chadde, Walter F. Chamberlain, Oscar A. Champe, Willard A. Chandler, Merle C. Chartener, Ralph R. Chester, Allan. Childs, Herbert R. Clarke, John H. Clausing, Leroy M. E. Clauve, Carl E. Clement, Russell C. Coob, Rupert G.	301 Chestnut St., Dunmore, Pa. Findlay, Ohio. 117 Huntington Park, Rochester, N. Y. 226 Eason Ave., Highland Park, Mich. 2363 Robinwood Ave., Toledo, Ohio. 1471 Winton Ave., Lakewood, Ohio. 47 Allen Ave., Pittsburgh, Pa. 50 E. Elm St., Norwalk, Ohio. 12 Bengel Ter., Rochester, N. Y. 1010 Central Ave., Dunkirk, N. Y. 406 Nye St., Lima, Ohio. 435 Shillito St., Cincinnati, Ohio. 605 N. Jameson St., Lima, Ohio. 168 North Ave., Washington, Pa. 17 E. Alexandrine Ave., Detroit, Mich. Middlebranch, Ohio.	1.
8UC	Chadde, Walter F	117 Huntington Park, Rochester, N. Y	
SJY	Champe Willard A	2363 Robinwood Ave., Toledo, Obio	1.
8AMA 8ADG	Chandler, Merle C	1471 Winton Ave., Lakewood, Ohio.	. :
8VG	Chartener, Ralph R	47 Allen Ave., Pittsburgh, Pa	1.
8NN	Chester, Allan	50 E. Elm St., Norwalk, Ohio	1.
8API	Childs, Herbert R	12 Bengel Ter., Rochester, N. Y.	1.
8SQ 8FJ 8AOH	Clausing Leroy M F	406 Nye St. Lima Ohio	1.
SAOH	Clauve, Carl E	435 Shilito St., Cincinnati, Ohio	1.
SAUV	Clem, Robert	605 N. Jameson St., Lima, Ohio	:
8AJT 8DV	Clement, Russell C	168 North Ave., Washington, Pa	
8DV	Cobb, Rupert G Cocklin, Gilbert W Cole, Kenneth	17 E. Alexandrine Ave., Detroit, Mich	
8SL	Cola Kannath	Middlebranch, Ohio	
8AET 8SM	Coleman H Burr	67 Manle St. Lyons N Y	
8FG	Coleman, John B	328 Locust St., Edgewood Park, Pa	
8IM	Collins, Benjamin F	152 N. 4th St., Steubenville, Ohio	1.
8ABS	Colville, Perkins	514 E. Buffalo St., Ithaca, N. Y.	1.
8KO	Combs, Frayne L	Blume High School, Wapakoneta, Ohio	
8ASJ	Conred Mark	117 F. Crawford St. Van Wort Obio	:
8AIL 8PY	Cook Vernor	30 W. LaBelle St., Grand Rapids Mich	1.
8MX	Cooke, Lovell.	R. F. D. No. 3, Gobleville, Mich.	:
8KU	Cookman, Murray R	118 Glasgow St., Clyde, N. Y	
8AOX	Cooley, Clair R	298 Walbridge Ave., Toledo, Ohio	:
8RG 8LT	Copeland, Arthur H	130 Harvard St., Rochester, N. Y	
8LT 8KB	Core Fugere D	5 W. Monument Ave., Dayton, Unio	1.
SARK	Corey Dwight	277 E. Perry St., Tiffin, Ohio	1.
8Q.L	Corey, Harry E.	Richmond, Mich.	
8QL 8WV 8ART	Corts, Ray E	243 May St., Buffalo, N. Y	
SART	Coughenour, Virgil J	Plattsburg, Ohio.	
8AHK	Couperthwait, George F	52 Schiller St., Binghamton, N. Y	
8AMD	Craig, Palmer	3397 Glenmore Ave., Cincinnati, Ohio	
8AOV 8AOG 8GZ	Crens John A	168 North Ave., Washington, Pa 17 E. Alexandrine Ave., Detroit, Mich Middlebranch, Ohio	1.
	Crops, John A.,	1301 Lanchood Ave., Linna, Ollo	
8GZ	Cromey, Leslie D	221 Euclid Ave., Mt. Clemens, Mich	

#### EIGHTH DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Powe
		Plymouth, Mich	Kw
$8{ m NJ} \\ 8{ m KX}$	Crumbie, Goodwin B	Plymouth, Mich	0
8KX	Cuff, Harold C	362 Walnut St., Buffalo, N. Y	
8ADI	Cundall, Lincoln A	Hamburg, N. Y	2.33
8EW	Current, Warren J	11024 Detroit Ave., Cleveland, Onio	1
$rac{8 \mathrm{AOI}}{8 \mathrm{LC}}$	Cundall, Lincoln A Current, Warren J Curtiss, Gerald H Curtiss, Glen W., jr. Cushman, Robert A Custis, Walter E Debrand Clearnee E	820 W. Main St., Traverse City, Mich.	
SAEA	Cushman Robert A	306 Elm St. Ithana N V	
8AJ	Custis Walter E	468 Buchtel Ave. Akron. Ohio	
8RK	Dalrymple, Clarence F	Sheridan, N. Y.	0.00
8AKE	Custis, Walter E. Dalrymple, Clarence F. Daly, James J. Danforth, Gordon F. Daniels, Le Roy. Darrall, William G. Dauberman, John R. Daugherty, Robert J. Davidson, Robert L. Davis Benton W.	28 Pine St., Binghamton, N. Y	
8CI	Danforth, Gordon F	16 Tuxill Sq., Auburn, N. Y	-53
8JE	Daniels, Le Roy	Litchfield, Mich	
8AIM	Darrall, William G	1112 Stanton Ave., New Kensington, Pa	47
8ALI	Dauberman, John R	1232 Race St., Sundury, Pa.	100
8FM	Daugherty, Robert J	50 N 2d St Nowark Obje	3
8ASV 8QZ	Davis Renton W	1904 Ansel Rd Cleveland Ohio	
8BC	Davis, Charles C.	Fenton, Mich.	3
8AEY	Davis, Harold P	2095 W. 87th St., Cleveland, Ohio	
$_{ m 8AEY}^{ m 8AEY}$	Davis, Herbert E	Fenton, Mich. 2095 W. 87th St., Cleveland, Ohio. 1480 Western Ave., Toledo, Ohio.	23
8ALR	Davis, Paul E., jr	R. F. D., Gross Isle, Mich	-
8AO	Deighan, Edward L	5415 Hermann Ave., Cleveland, Ohio	1
SAOT	Davis, Benton W Davis, Charles C Davis, Harold P Davis, Herbert E Davis, Herbert E Davis, Paul E Deighan, Edward L Demarest, Foster J Dencer John	103 Washington St., Williamsport, Pa	1
8IX 8WG	Dencer, John Densmore, U. Harry. Devaney, Richard G. Devinney, Robert C.	220 Mitchell St. Patoskey Mich	
8WG 8KK	Devaney Richard G	106 Murray St. Binghamton N V	15-33
8AAQ	Devinney Robert C	1224 Boyle St., Pittsburgh, Pa.	16
8AOA	Dieter, Howard L Diederich, Paul E Dieterich, Adele F Dietsch, Carl G Dilworth, John G Ditter Earl I	252 S. 18th St., Columbus, Ohio.	1.11
8IJ	Diederich, Paul E	915 E. Grand Blvd., Detroit, Mich	12.5
8ET	Dieterich, Adele F	3128 Fulton Rd., Cleveland, Ohio	-
8ACO	Dietsch, Carl G	395 Avondale Ave., Toledo, Ohio	F. California
8AQD	Dilworth, John G	6121 Jackson St., Pittsburgh, Pa	100
8AAH	Ditto, Earl J. Dobson, J. Howard	614 State St., Petoskey, Mich	-
8AME	Dooright Cilbert A	145 Illinois Ave. Voungstown Ohio	16.00
8AEO 8AAG	Doeright, Gilbert A Dominick, John H Domahue, James B Donohue, Daniel, jr Dorrman, Israel Dorst, Edward L Dotterweich, Edward, jr Dowding, Sidney I	56 Gallatin Ave. Buffalo N Y	100
8AGC	Donahue James B	Horseheads N. Y	13.55
8FS	Donohue, Daniel, ir	227 Florida Ave., Lorain, Ohio	184
8FS 8ANC	Dorman, Israel	3426 Burnet Ave., Cincinnati, Ohio	13.33
8EF	Dorst, Edward L	39 Eaton St., Buffalo, N. Y	100
8ABT	Dotterweich, Edward, jr	533 Swan St., Dunkirk, N. Y.	10.3
8TL 8OX	Dowding, Sidney J	57 Welts St., Mt. Clemens, Mich.	100
80X	Dowding, Sidney J.  Dreux, Alexander J.  Duff, Cuthbert.	Norwood Ohio	100
8MQ 8LQ	Dunlan Orrin F ir	1020 Cleveland Ava Niagara Falls N V	133
8ASD	Dunlap, Orrin E., jr Dunmore, Wallace P Durham, Harold M	218 Main St., Binghamton, N. Y	9
SAGY	Durham, Harold M	127 Cohasset St., Pittsburgh, Pa	536
8AGY 8AOJ	Durstine, John E	107 Burton Ave., Cleveland, Ohio	100
8AKY	Dyke, S. Eugene	211 Porter Ave., Warren, Ohio	
8SW	Eames, William F	841 N. St. Clair St., Pittsburgh, Pa	
8IU 8PL	Durstine, John E.  Dyke, S. Eugene. Eames, William F. Eaton, Floyd W. Eckel, John F.	1901 Milton Ave., Solva, N. Y.	100
8PL 8VL	Ediek Leonard I	80 Forest St. Gloversville N. V	1 1
8V L 8G G	Edwards, Maynard W	Lake Odessa, Mich.	100
8UK	Egan, James,	120 Barton St., Buffalo, N. Y.	1
8UK 8TY	Ehrhardt, Roy C	820 Monroe Ave., Scranton, Pa	
8PJ	Ehrich, William F	278 Lucas St., Bucyrus, Ohio	
8AOS	Eiszler, Emmerson L	Fenton, Mich. 2095 W. S'th St., Cleveland, Ohio. 1480 Western Ave., Toledo, Ohio. R. F. D., Gross Isle, Mich	103
8AQ	Eckel, John F. Edick, Leonard J. Edwards, Maynard W. Egan, James. Ehrhardt, Roy C. Ehrich, William F. Eiszler, Emmerson L. Ela, William C. Electro-Set Co. See The Electro-Set Co.	1520 Woodland IVO., I lossburgh, I a	
8ER	Elias, Louis W Eppley, Ervin W Ernest, Robert A	877 Carpenter St., Columbus, Ohio. R. F. D. No. 4, Elyria, Ohio. 1815 Prospect St., Springfield, Ohio. 212 Cass Ave., Mt. Clemens, Mich. R. F. D. No. 1, Huron, Ohio 523 Miller Ave. Ann Arbor, Mich.	150
8TS	Eppley, Ervin W	R. F. D. No. 4, Elyria, Ohio	100
8ANK 8AEI	Ernest, Robert A	212 Cose Ave. Mt. Clement Wich	1
8AEI 8DM	Esch Winthrop W	R F D No. 1 Huron Obje	
8FP	Esslinger, Elwin	523 Miller Ave., Ann Arbor, Mich	13.5
8ADZ	Euler, John F	523 Miller Ave., Ann Arbor, Mich. 253 Mellon St., Pittsburgh, Pa. 806 Bayridge Ave., Pittsburgh, Pa Tippecanoe City, Ohio.	130
8ASK	Evans, Jack H	806 Bayridge Ave., Pittsburgh, Pa	1
8SB	Evans, George M	Tippecanoe City, Ohio	1-51
8AMR	Ewell, Lionel C	Milan, Ohio	1
8ANP	Exline, George A	1408 E. 93d St., Cleveland, Ohio.	10
SAQR	Ernest, Robert A Erskine, James Esch, Winthrop W Esslinger, Elwin Euler, John F Evans, Jack H Evans, George M Ewell, Lionel C Exline, George A Famariss, Walter, Faroo, Glenn	7817 Hamilton Ave., Pittsburgh, Pa	-
8HU 8ADD	Faroo, Glenn Fassett, G. M. Earle Feldstein, Milton	Milan, Ohio.  1408 E. 93d St., Cleveland, Ohio  7817 Hamilton Ave., Pittsburgh, Pa. 269 Grand Ave., Rochester, N. Y. 1526 Olivewood Ave., Lakewood, Ohio  Toledo, Ohio	100
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# EIGHTH DISTRICT—Continued.

Call signál.	Owner of station.	Location of station.	Power.
185			$\dot{K}w$ .
8FA	Fender, Clinton H Ferris, James H	28 W. 13th St., Cincinnati, Ohio	0.5
8AOZ	Ferris, James H	211 Catalpa Drive, Royal Oak, Mich	1.0
SCA SEE	Finch Bront S	1727 F McMiller St Cincippeti Obio	.5 .5 1.0
8FE 8ASH	Fidler, Sherwood K. Finch, Brent S. Finegan, George W. Finley, Chester T.	211 Catalpa Drive, Royal Oak, Mich   1222 Fountain Ave., Springfield, Ohio   1727 E. McMillan St., Cincinnati, Ohio   494 Columbia Ave., Rochester, N. Y   R. F. D. No. 9, Mansfield, Ohio   811 Cass St., Chicago, Ill   307 Collins Ave., Pittsburgh, Pa.   228 Ulysses St., Pittsburgh, Pa.   228 Ulysses St., Pittsburgh, Pa.   546 Utah St., Toledo, Ohio   906 W. Wayne St., Lima, Ohio   98 Park Ave., Binghamton, N. Y   3833 Hiawatha St., Pittsburgh, Pa.   1007 Sheridan Ave. SW., Grand Rapids, Mich   510 S. 7th St., Ironton, Ohio	1.0
8AFD	Finley, Chester T	R. F. D. No. 9, Mansfield, Ohio.	1.6
8AJK	Fischer, Andrew Fish, J. Mulford. Fisher, Earl U. Fisher, George C. Fisher, Harold W.	811 Cass St., Chicago, Ill	.5 .5 .5
8MG	Fish, J. Mulford	307 Collins Ave., Pittsburgh, Pa	.5
8KQ 8PE	Fisher, Earl U	228 Ulysses St., Pittsburgh, Pa	. 5
8MY	Fisher, George C	908 W Wayne St. Jime Ohio	1.5
8ASN	Fisk, Rufus	98 Park Ave. Binghamton N. V	1.0
8TN	Fisk, Rufus. Fla Havhan, Harry E., jr	3833 Hiawatha St., Pittsburgh, Pa	1.0
8DD 8UM	Fleckner, Harry K	1007 Sheridan Ave. SW., Grand Rapids, Mich	
8UM	Fleckner, Harry K. Flehr, Paul D. Flint Central High School.	510 S. 7th St., Ironton, Ohio	1.0
	Flint Central High School.		
8ARS	See Wightman, E. Russell.	2206 Broadway Toledo Obio	
8ASG	Flory, Carl L	2206 Broadway, Toledo, Ohio	.5
8MW	Flora, C. Russel. Flory, Carl L. Follet, Louis H., jr. Foltz, Harold H.		
8ANS	Foltz, Harold H	464 Rhodes Ave., Akron, Ohio	.5
8UA	Foncannon, H. Knight	2024 Glenwood Ave., Toledo, Ohio	. 5
8ADK 8CU	Foncannon, H. Knight	129 Dartmouth St., Rochester, N. Y	.5
8HR	Foster Clarence M	464 Rhodes Ave., Akron, Ohio. 2024 Glenwood Ave., Toledo, Ohio. 129 Dartmouth St., Rochester, N. Y. South Butler, N. Y. Clarks Summit, Pa.	-0
8WD	Fox, Edmund H	271 Calumet Ave., Detroit, Mich	.5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5
8SF	Forshee, Kenneth. Foster, Clarence M Fox, Edmund H Fowler, Robert J Francis, Jesse J Frank, Newton J Frase, Ralph L. Frase, Roln W	Clarks Summit, Pa. 271 Calumet Ave., Detroit, Mich. 322 Walnut St., Flint, Mich. 1556 E. 66th St., Cleveland, Ohio. 411 Humboldt Pky., Buffalo, N. Y. 546 E. Buchtel Ave., Akron, Ohio. 1280 West Ave., Buffalo, N. Y. 48 Glenwood Ave., Buffalo, N. Y. 215 Clay St., Tiffin, Ohio. 10 Fargo Ave., Ashtabula, Ohio. 155 Poplar St., Mansfield, Ohio. 4208 Florida Ave., Cincinnati, Ohio.	1.0
8FV 8AAV	Francis, Jesse J	1556 E. 66th St., Cleveland, Ohio	.5
8AAV	Frank, Newton J	411 Humboldt Pky., Buffalo, N. Y	. 5
8ANF 8HZ	Frase, Kalph L	1980 West Ave. Purfels N. V.	.5
8VX	Fraser William T	48 Glenwood Ave Buffalo N V	1.0
8VX 8NB 8NC	Frase, Kaiph L. Fraser, John W. Fraser, William T. Frederick, Paul E. French, Samuel W. Frey, Frederick E.	215 Clay St., Tiffin, Ohio	.5
8NC	French, Samuel W	10 Fargo Ave., Ashtabula, Ohio	5
8AF	Frey, Frederick E	155 Poplar St., Mansfield, Ohio	1.0
8DP		4208 Florida Ave., Cincinnati, Ohio	1.0
8AU 8AV	Frost, Harry E. Fullwood, William R. Furlong, Marcie J.	1017 Forda Ave., Cincinnati, Ohio. 552 Glenwood Ave., Buffalo, N. Y. 1017 Pollock Ave., New Castle, Pa. 711 N. Main St., Clyde, Ohio.	1.0
80J	Furlong, Marcie J.	711 N. Main St., Clyde, Ohio	.5
8KP	Fuss, Chester G. Gallo, Tony Galloway, W. Lyon. Gamble, Frederick D. Gamble, Howard B.	Little Valley, N. Y	1.0
8TH	Gallo, Tony	Brockwayville, Pa	1.0
SAEM	Galloway, W. Lyon	110 W. Main St., Xenia, Ohio	1.0
8PK 8ASP	Gamble Howard B	2537 E 198th St. Claveland Obio	1.0 1.0
8KC	Gammon, Joseph	597 East Ave., Rochester, N. Y.	.5
8IO	Garrity, William D	20 W. Genesee St., Lockport, N. Y	.5
8EG	Gammon, Joseph. Garrity, William D. Gebhard, Louis A. Gentzsch, Leonard H. George, Charles C.	1127 Ellicott St., Buffalo, N. Y	1.0
8AX 8AKT	Gentzsch, Leonard H	102 Northampton St., Buffalo, N. Y	.5
SAEC	Gerhard, David H	R F D No 3 Hamilton Obio	.5
8AKW	Giesenberg, Carl	3499 Boudinot Ave. Cincinnati, Ohio	.5
8WI 8SN	Gillmore, Willard F	11703 Castlewood St., Cleveland, Ohio	1.0
8SN	Giesenberg, Carl	Little Valley, N. Y Brockwayville, Pa 110 W. Main St., Xenia, Ohio 2412 Putnam St., Toledo, Ohio 2537 E. 128th St., Cleveland, Ohio 597 East Ave., Rochester, N. Y 20 W. Genesee St., Lockport, N. Y 1127 Ellicott St., Buffalo, N. Y 102 Northampton St., Buffalo, N. Y 81 E. Tremaine Ave., Kenmore, N. Y 8. F. D. No. 3, Hamilton, Ohio 3499 Boudinot Ave., Cincinnati, Ohio 11703 Castlewood St., Cleveland, Ohio 539 S. 1st St., Ann Arbor, Mich 2171 E. 65th St., Cleveland, Ohio	1.0
8ANV	Glause, Edwin H	2171 E. 65th St., Cleveland, Ohio	.5
	Glenville High School. See		
8DS	Godley, Gordon F	929 Pine St., Port Huron, Mich.	.5
8RY	Allyn, William P. Godley, Gordon F. Goetz, Carl P. Gogel, Adelbert J.	1518 Knowlton St., Cincinnati, Ohio	.5
8AW	Gogel, Adelbert J	628 S. Erie St., Toledo, Ohio	.5
8MZ	Goodrich, Harry	443 North Ave., Girard, Ohio	1.0
8VH 8QK 8EI	Goodrich, Harry	Oberlin Obio	1.0
SEI	Gray, Clarence N	74 Ryan St., Buffalo, N. V	.5
8IW		929 Pine St., Port Huron, Mich. 1518 Knowlton St., Cincinnati, Ohio. 628 S. Erie St., Toledo, Ohio. 443 North Ave., Girard, Ohio. Cazenovia, N. Y. Oberlin, Ohio. 74 Ryan St., Buffalo, N. Y. Booth St., Ashtabula, Ohio. 9815 Westchester Ave., Cleveland, Ohio.	.5
8IW 8ADT	Greenwald, Hugo Greenwell, Robert. Gregory, P. L. Grieb, Edward J.	9815 Westchester Ave., Cleveland, Ohio	1.0
8ASQ 8UW	Greenwell, Robert	6302 Utica St., Cleveland, Ohio	1.0
8CG	Grieb Edward I	121 Rose St. Springfield Obje	1.0
8WA	Griffin, Jesse W	Middlefield, Ohio	1.0
SIA.	Griffin, John F	5213 Superior Ave., Cleveland, Ohio.	1.0
8ANM 8CK	Griggs, Kenneth C	149 Forest St., Wellington, Ohio	.5
8CK	Griffin, Jesse W Griffin, John F Griggs, Kenneth C Grinnell, Russell R	Richmond, Mich	.5
8ABM	Grosse, Herbert F	346 Germania St., Columbus, Ohio	1.0
8QR 8HE 8CO	Grosse, Herbert F. Grostick, George E. Grotticelli, Emil.	Booth St., Ashtabulá, Ohio.  9815 Westchester Ave., Cleveland, Ohio. 6302 Utica St., Cleveland, Ohio. 2204 Washington St., Conneaut, Ohio. 121 Rose St., Springfield, Ohio. Middlefield, Ohio. 5213 Superior Ave., Cleveland, Ohio. 149 Forest St., Wellington, Ohio. Richmond, Mich. 346 Germania St., Columbus, Ohio. 1605 Wagar Ave., Lakewood, Ohio. 115 Montclair Ave., Crafton. Pa. Grove City, Pa.	1.0
		AND MEDINOUS ALVOIS DIGITORIS A GOVERNMENT AND AND AND AND AND AND AND AND AND AND	1.0

#### EIGHTH DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power
		13 Babcock Ave., Silver Creek, N. Y. 369 W. Lorain St., Oberlin, Ohio. Howell, Mich. 1113 N. Main St., Jamestown, N. Y. 24 Jewell St., Rochester, N. Y. 24 Jewell St., Rochester, N. Y. 25 Have. and Amberson St., Pittsburgh, Pa. 330 Fox St., Buffalo, N. Y. 410 Center St., Solvay, N. Y. 29 Martin Ave., Amherst, Ohio. 337 S. Main St., Charlotte, Mich. 1645 Lyson St. NE., Grand Rapids, Mich. 53 Vassar St., Rochester, N. Y. 1716 Buena Vista St., Pittsburgh, Pa. 31 Deer St., Plymouth, Mich. 1325 Clinton Ave., Cleveland, Ohio. 21 Vine St., Pittsburgh, Pa. North Fairfield, Ohio.	Kw.
8KM	Guest, Wesley T	13 Babcock Ave., Silver Creek, N. Y	0.
8JA	Gunn, Ross	369 W. Lorain St., Oberlin, Ohio	1.
8DI	Guest, Wesley T Gunn, Ross. Gurnee, Floyd L. Gurney, Daniel. Guy, Fred E. Gwinner, Frederick, 2d	Howell, Mich.	
8ARQ 8PZ	Guy Fred E	24 Jawall St. Rochester N. V	
8RO	Guy, Fred E. Gwinner, Frederick, 3d. Haderer, John. Hall, Eldred R. Hamel, Arthur. Hancock, H. W. Hand, Ledyard M. Handler, Eugene H. Hankin, John H. Hanny, George. Hansen, Edmund H. Hansen, Torvald. Hantman, Alexander	5th Ave. and Amberson St., Pittsburgh, Pa	1
8QB	Haderer, John	330 Fox St., Buffalo, N. Y.	1
8MD	Hall, Eldred R	410 Center St., Solvay, N. Y	1
8AOM	Hamel, Arthur	29 Martin Ave., Amherst, Ohio	1
8US 8AGT	Hancock, H. W	337 S. Main St., Charlotte, Mich.	1
8TB	Handler, Eugene H	53 Vassar St. Rochester N Y	
8NW	Hankin, John H	30 Schutz Ave., Buffalo, N. Y.	
8NW 8AMI	Hanny, George	1716 Buena Vista St., Pittsburgh, Pa	
8AZ	Hansen, Edmund H	31 Deer St., Plymouth, Mich	1
8NO	Hansen, Torvald	7325 Clinton Ave., Cleveland, Ohio	1
8ASE 8AGE	Hantman, Alexander	Vorth Foirfold Ohio	1
8WT	Harber Elwood F	507 Columbia Ave Rochester N V	3
8WT 8WY	Hardesty, Howard P	1186 Canton Ave., Detroit, Mich.	
8NR	Hare, Paul W	Near Fredericktown, Ohio	1
8AGS	Hart, I. Bruce	North Fairfield, Ohio 507 Columbia Ave., Rochester, N. Y 1186 Canton Ave., Detroit, Mich Near Fredericktown, Ohio 1215 S. Arch Ave., Alliance, Ohio Spangeryille, Ohio	
HO8	Harter, Raymond	Spencerville, Ohio	
8AM 8AKH	Hartle, Wilbert G	P. F. D. No. 1. Clerka Summit Po	
8AA	Hansen, Torvald Hantman, Alexander Hanville, Roy A. Harber, Elwood F. Hardesty, Howard P Hare, Paul W Hart, I. Bruce. Harter, Raymond. Hartle, Wilbert G Hartwick, Harry S Hausding, William A Hawks, Harry L Haynes, William Helbling, William E. Henes, Christian.	Spencerville, Ohio. 1438 W. 114th St., Cleveland, Ohio. R. F. D. No. 1, Clarks Summit, Pa Traverse City, Mich.	March 1
8AHN	Hawks, Harry L	Fleming, Pa	1
8FH	Haynes, William	102 N. Florence St., Springfield, Ohio	1
8AAE	Helbling, William E	Fleming, Pa.  102 N. Florence St., Springfield, Ohio.  36 Marion Ave., Crafton, Pa.  604 Main St., Hamilton, Ohio.  2446 Mount Ave. Norwood, Ohio.	1
8APG	Henes, Christian	604 Main St., Hamilton, Ohio	1
8EX 8GN	Henlein, Carl A	2446 Mount Ave., Norwood, Obio	1
8AKF	Henlein, Carl A. Henninger, Alan E Hepner, Earl Herrick, Robert E Herrington, Fred Hess Elmer	450 Morgan St. Pittshurgh Pa	1
8ARM	Herrick, Robert E	26 S. Linwood Ave., Crafton, Pa	
8WB	Herrington, Fred	R. F. D. No. 6, Paw Paw, Mich.	1
8LZ	Herrington, Fred Hess, Elmer Hickler, Walter R. Higgins, Orlo M. Higgy, Robert C. Hill, Dormand S. Hill Top Y. M. C. A. Hiller, Herbert A. Hills, Harold C. Hills, Virgil A. and Harold G. Hinton, Don.	604 Main St., Hamilton, Ohio 2446 Mount Ave, Norwood, Ohio 11220 Clifton Blvd., Cleveland, Ohio. 450 Morgan St., Pittsburgh, Pa. 26 S. Linwood Ave., Crafton, Pa. R. F. D. No. 6, Paw Paw, Mich. 4129 Carter St., Norwood, Ohio. 1340 Lakeland Ave., Lakewood, Ohio. 214 Lake Ave., Elyria, Ohio. 1072 W. Market St., Lima, Ohio. 2 Taft Ave., Detroit, Mich.	1
8WE 8AMT	Hickler, Walter R	1340 Lakeland Ave., Lakewood, Ohio	
8PM	Higgins, Orio M	214 Lake Ave., Elyria, Onio	3013
8LI	Hill. Dormand S.	2 Taft Ave Detroit Mich	1300
8GB	Hill Top Y. M. C. A	Pittsburgh, Pa. 141 Hanover St., Silver Creek, N. Y. Palermo, N. Y. 2066 E. 100th St., Cleveland, Ohio.	
8BA	Hiller, Herbert A	141 Hanover St., Silver Creek, N. Y	1
8AST	Hills, Harold C	Palermo, N. Y	1
8KR	Hills, Virgil A. and Harold G.	2066 E. 100th St., Cleveland, Ohio	1
8OG	Hirsch Leo E	1991 S. High St. Columbus Obje	
8UT 8ACA	Hinton, Don. Hirsch, Leo E. Hisey, Norval W. Hodgkins, Harley G. Hoehl, Raymond H.	Cambridge, Ohio.  1281 S. High St., Columbus, Ohio.  2055 Broadway, Toledo, Ohio.  2088 Orchard St., Pittsburgh, Pa.  208 Orchard St., Pittsburgh, Pa.	1
8AMP	Hodgkins, Harley G	Massena, N. Y	
8AIH	Hoehl, Raymond H	238 Orchard St., Pittsburgh, Pa	1
8ADU	Hoffman, Donald A. Hofstetter, George E. Hogan, James E. Holden, Ira S.	238 Orchard St., Pittsburgh, Pa. 50 S. Balch St., Akron, Ohio. 286 S. State St., Marion, Ohio. 26 Lincoln Ave., Crafton, Pa. 2920 Vernon Pl., Cincinnati, Ohio. New Berlin, N. Y. 310 Brown St., Grand Rapids, Mich. 789 Prospect Ave., Buffalo, N. Y. 32 Poplar St., Mansfield, Ohio. Maumee, Ohio. 512 S. 9th St., Hamilton, Ohio. 557 E. 117th St., Cleveland, Ohio. 32 Milford St., Binghamton, N. Y. Lavelle, Pa. 207 Elmwood Ave., Newark, Ohio.	
8AQO	Hoistetter, George E	286 S. State St., Marion, Onio	- 1
8QV 8FC	Holden Ira S	20 Difficol Ave., Crafton, Fa	1
8MC	Holmes, Charles A. Holmes, Charles E.	New Berlin, N. Y.	1
8DR	Holmes, Charles E	310 Brown St., Grand Rapids, Mich	10
8HO	Holts, George W Hoover, Paul L Hoover, Raymond Hopkins, Cecil W Horn, Herbert E	789 Prospect Ave., Buffalo, N. Y	1
8IC	Hoover, Paul L	32 Poplar St., Mansfield, Ohio	1
8GT 8BU	Hooleing Cooil W	Maumee, Unio	
8GQ	Horn, Herbert E	557 E 117th St. Cleveland, Ohio	1
8EP	Hornbeck, John	32 Milford St., Binghamton, N. Y.	1
8PT 8DA	Hornbeck, John Hornung, Romey W. Horton, Paul E.	Lavelle, Pa	1
8DA	Horton, Paul E	207 Elmwood Ave., Newark, Ohio	
8UR 8AEV	Hott, Loewy	149 S. Main St., Keyser, W. Va	
8AEV 8ARN	Honek Hugh H	605 W Hardin St. Findlay Ohio	1
8NF	House, Elra E	272 N. Michigan St., Battle Creek, Mich.	1
8AMZ	Hovey, Carlton F.	476 Melville St., Rochester, N. Y	1
8AGF	Hotton, Fail E. Hott, Loewy. Houck, Homer D. Houck, Hugh H. House, Elra E. Hovey, Carlton F. Howard, Carl G. Howsare, George D. Howe, Richard H. Howes, Stanley L.	32 Milford St., Binghamton, N. Y Lavelle, Pa. 207 Elmwood Ave., Newark, Ohio. 149 S. Main St., Keyser, W. Va. 430 Werner St., Youngstown, Ohio. 605 W. Hardin St., Findlay, Ohio. 272 N. Michigan St., Battle Creek, Mich 476 Melville St., Rochester, N. Y 183 S. Pine St., Newark, Ohio. 119 W. Decatur St., Eaton, Ohio. Granville, Ohio.	1
8ASG	Howsare, George D	119 W. Decatur St., Eaton, Ohio	5
8ABR	Howe, Richard H	Granville, Ohio. 515 Eleanor St., Kalamazoo, Mich.	-
8BB 8ALT	Howes, Stanley L		
8FL	Hudson, Albert N.	Edinboro, Pa. 406 Park Ave., Fulton, N. Y Middlefeld, Ohio. 915 Campbell St., Williamsport, Pa.	1
8AIJ	Hudson, Albert N. Huey, Wesley. Huff, Samuel W.	Middlefield, Ohio	
8APR			

#### EIGHTH DISTRICT-Continued.

#### ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call signal.	Owner of station.	Location of station.	Power	
			Kw	
8AOY	Hughes, Edwin R	20 74th St., Carthage, Ohio	0	
8RR 8AOE	Hull, Earl C Hull, James E	7631 15th St., Niagara Falls, N. Y	1	
SAOE	Hull, James E	323 Main St., Cheboygan, Mich	]	
SHM	Human, Edward J. L Hummel, Richard O	532 5th St., Niagara Falls, N. Y		
800	Hummel, Richard O	1606 Grace Ave., Lakewood, Ohio		
RALM	Hunt, Barton L	1280 Courtland Ave., Columbus, Ohio		
ALM	Hunter, Noble A	Capac, Mich		
LX	Hgenfritz, James 1. E	224 Elm Ave., Monroe, Mich		
ON	ligenfritz, Lester M	2 E. Forest St., Detroit, Mich		
ARJ	Ingals, Allan C	2 E. Forest St., Detroit, Mich. 74 W. Ridge Ave., Crafton, Pa.		
AY	Hummel, Richard C. Hunt, Barton L. Hunter, Noble A. Ilgenfritz, James I. E. Ilgenfritz, Lester M. Ingals, Allan C. Irvin, Daniel L. Irvine, Robert P. Jacks, Albert L.	2501 Steeper Assa Claveland Ohio		
RJ	Toolse Albert T.	6505 Chatland Ave. Pittshurgh Pa		
AGB	Jacobus, Roger	212 Bookes St. App. Arbor Mich		
BF	Jacobus, Roger	847 Main St Wheeling W Va		
TK	Jacobus, Roger Jarvis, Roy B Jefferys, Paul M Jensen, Luther J Jepson, Mark B Johnson, Gordon E Johnson, J. H. E Jehnston, Clarence N	1444 Landerdale Ave. Lakewood Ohio		
TK ANU AGU	Jensen Luther J	606 Parkside Ave Buffalo, N. Y		
AGII	Jenson, Mark B.	Little Valley, N. Y.		
ARL	Johnson, Gordon E	2240 Lawrence Ave., Toledo, Ohio		
CR	Johnson, J. H. E	349 Glenn Ave., Springfield, Ohio		
SD	Johnston, Clarence N	1335 Hill St., Ann Arbor, Mich		
HC	Johnston, S. Paul	201 S. Craig St., Pittsburgh, Pa	0	
ACW	Johnstone, Richard S	R. F. D. No. 2, Glenshaw, Pa		
UO	Jones, D. Walter	643 Schuyler Ave., Dorranceton, Pa		
ABN	Jones, Hugo W	109 Marshall St., Conneaut, Ohio		
PU	Jones, Winferd E	87 Holland Ave., Lancaster, N. Y		
WF	Johnson, J. H. E Johnston, Clarence N Johnston, S. Paul Johnstone, Richard S. Jones, D. Walter Jones, Hugo W Jones, Winferd E. Judd, Max A. Kaehni, Francis J.	Chesaning, Mich		
AKQ	Kaehni, Francis J	3267 Scranton Rd., Cleveland, Unio		
AIV	Kaestle, Albert Kahn, Fred J	1510 F 192d St Claveland Objo		
OO	Kampfe Lorbert I	1241 E 103d St. Cleveland, Ohio		
VII	Kane William C ir	921 Reservoir Ave Rochester N V		
QQ VU AIQ AAZ	Karl Rudolph	413 Robin St., Dunkirk, N. Y.		
AAZ	Kampfe, Lorbert J. Kane, William C., jr. Karl, Rudolph Kauffman, Jacob W.	208 Claremont Ave., Ashland, Ohio.		
	Katzenberger, Raymond	Tiprecanoe City, Ohio		
ALU NM QH	Kauffman, Jacob W. Katzenberger, Raymond Kays, George W., jr. Keen, William L. Kelly, Edward O. Kelso, Herbert F. Kent, Arthur L. Kenler W. Newton	2 E. Forest St., Detroit, Mich. 74 W. Ridge Ave., Crafton, Pa. Curwensville, Pa. 3501 Storer Ave., Cleveland, Ohio. 6505 Shetland Ave., Pittsburgh, Pa. 312 Beakes St., Ann Arbor, Mich. 647 Main St., Wheeling, W. Va. 1444 Lauderdale Ave., Lakewood, Ohio. 606 Parkside Ave., Buffalo, N. Y. Little Valley, N. Y. 2240 Lawrence Ave., Toledo, Ohio. 349 Glenn Ave., Springfield, Ohio. 1335 Hill St., Ann Arbor, Mich. 201 S. Craig St., Pittsburgh, Pa. R. F. D. No. 2, Glenshaw, Pa. 643 Schuyler Ave., Dorranceton, Pa. 109 Marshall St., Conneaut, Ohio. 87 Holland Ave., Lancaster, N. Y. Chesaning, Mich. 3267 Seranton Rd., Cleveland, Ohio. 1473 Maple Rd., Cleveland Heights, Ohio. 1510 E. 123d St., Cieveland, Ohio. 1241 E. 103d St., Cleveland, Ohio. 1241 Reservoir Ave., Rochester, N. Y. 208 Claremont Ave., Ashland, Ohio. 171p-ecanoe City, Ohio. 242 Chestnut St., Liberty, N. Y. 208 Colorain Ave., Cincinnati, Ohio. 18 Stratford Park, Rochester, N. Y. Dravosburg, Pa. 199 Court St., Binghamton, N. Y.		
NM	Keen, William L	4012 Colerain Ave., Cincinnati, Ohio		
QH	Kelly, Edward O	18 Stratiord Park, Rochester, N. Y		
ACN	Kelso, Herbert F	Dravosburg, Pa.  199 Court St., Binghamton, N. Y.  289 Willow St., Meadville, Pa.  210 Allen St., Dayton, Ohio.  633 Carlton St., Toledo, Ohio.  165 S. Gratiot Ave., Mt. Clemens, Mich.		
AEB	Kent, Arthur L. Kepler, M. Newton. Kepler, Ralph E. Kerstetter, J. Howard Kersting, Ferdinand. Kidd, J. William Kiggr Earnest W.	980 Willow St Mandvilla Pa		
AKA	Kepler Ralph E	210 Allen St. Dayton, Ohio		
AKA AQE PC	Kerstetter, J. Howard	633 Carlton St., Toledo, Ohio		
PC	Kersting, Ferdinand	165 S. Gratiot Ave., Mt. Clemens, Mich		
ASC	Kidd, J. William	606 Cherry St., Niles, Ohio	0	
AEK	Kiger, Earnest W	Williamstown, W. Va		
AFM	Kilbury, Walter A	119 N. Greenwood St., Marion, Ohio		
BD	Kimberly, Frank	1402 Monterey St., Pittsburgh, Pa		
AFM BD AQA AMY	King, William R	5920 Wellesley Ave., Pittsburgh, Pa		
AMY	Kidd, J. William Kiger, Earnest W Kilbury, Walter A Kimberly, Frank King, William R Kingsbury, Ralph N Kinman, Carson Kinne, Laurence W Kinney, Russell Kirchner, Charles Klayer, Checar C	004 E. Main St., Kavenna, Uhio		
AAT	Kinna Lauranca W	Front fort Mich	1	
EU EO	Kinney Russell	725 Huron St. Toledo Obio		
QF	Kirchner Charles	425 Cumberland Ave. Buffalo N V	1	
RA	Klager, Oscar C	611 S. Main St., Ann Arbor Mich		
GV	Klager, Oscar C. Kleber, Jackson O Knapp, Forest H.	1135 Murray Hill Ave., Pittsburgh, Pa.		
AQS	Knapp, Forest H	375 Welch St., Columbus, Ohio	-	
AQS	Knappen, Bert	4 Trankla Ave., Grand Rapids, Mich		
GS	Kneale, C. Kewley	1337 W. 114th St., Cleveland, Ohio		
MN	Knoll, Floyd A	93 Chapin Parkway, Buffalo, N. Y		
AJN	Knott, Charles E	107 Stedman, Sayre, Pa		
DK AMB	Wook Frank	2402 Highland Ave. Cincipanti Ohio		
KW	Knappen, Bert Knappen, Bert Kneale, C. Kewley Knoll, Floyd A. Knott, Charles E. Kobre, Frank Koeh, Frank Kohler, Harry W. Kohli, Homer J. Kohnitz, Harvay F.	165 S. Gratiot Ave., Mt. Clemens, Mich. 606 Cherry St., Niles, Ohio Williamstown, W. Va. 119 N. Greenwood St., Marion, Ohio 1402 Monterey St., Pittsburgh, Pa. 5920 Wellesley Ave., Pittsburgh, Pa. 5920 Wellesley Ave., Pittsburgh, Pa. 504 E. Main St., Ravenna, Ohio. 313 Rawson Ave., Fremont, Ohio Frankfort, Mich. 735 Huron St., Toledo, Ohio. 425 Cumberland Ave., Buffalo, N. Y. 611 S. Main St., Ann Arbor, Mich. 1135 Murray Hill Ave., Pittsburgh, Pa. 375 Welch St., Columbus, Ohio. 4 Trankla Ave., Grand Rapids, Mich. 1337 W. 114th St., Cleveland, Ohio. 93 Chapin Parkway, Buffalo, N. Y. 107 Stedman, Sayre, Pa. 7711 Central Ave., Cleveland, Ohio. 2403 Highland Ave., Cincinnati, Ohio. 605 E. Middle St., Wapakoneta, Ohio. Pandora, Ohio.		
ADJ	Kohli Homer I	Pandora Ohio		
GO	Kohnitz, Harvey F	R. F. D. No. 2. Plymouth, Mich		
GL	Kohli, Homer J. Kohnitz, Harvey F. Konrad, Henry. Kovatch, Alexander. Krause, Karl A. Kreighbaum, Cyril H. Kremer, Harold E. Kress, Lester P. Kreuzer, Joseph D. Kroeger, Gustav H. Kromme, Frank.	Pandora, Ohio.   R. F. D. No. 2, Plymouth, Mich.   Pandora, Ohio.   Physics   Pandora, Ohio.   Physics   Pandora, Ohio.   Physics   Pandora, Ohio.   Physics   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pandora   Pando		
GL AFS	Koyatch, Alexander	1780 Fulton Rd., Cleveland, Ohio		
PD	Krause, Karl A	244 S. Front St., Mt. Clemens, Mich		
JV	Kreighbaum, Cyril H	12414 Ingomar Ave., Cleveland, Ohio	9 3	
AHW	Kremer, Harold E	717 W. Race St., Pottsville, Pa		
CV	Kress, Lester P	717 W. Race St., Pottsville, Pa. 302 Georgia Ave., Lorain, Ohio. 663 Hopkins St., Buffalo, N. Y. 1837 Clarion Ave., Cincinnati, Ohio. 811 York St., Cincinnati, Ohio.		
BI	Kreuzer, Joseph D	663 Hopkins St., Buffalo, N. Y.		
	Kroeger Gustav H	1837 Clarion Ave., Cincinnati, Ohio		

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#### EIGHTH DISTRICT—Continued.

Call signal.	Owner of station.	Location of station,	Powe
			Ku
8HY	Kuehner, Roland Kumpf, Elmer H	168 Kinsey Ave., Cincinnati, Ohio. Crittenden, N. Y. 235 W. Pike St., Canonsburg, Pa.	1
8EK	Kumpf, Elmer H	Crittenden, N. Y.	
8ALD 8EL	Lacock, Walter B Langenbach, Leo	196 Pilov St. Puffelo N V	-
SRK	Langenbach, Leo Lappe, E. Robert Lathrope, Lyman S Leach, Frederick E Leach, Gardner V Leach, J. Gardner Learmont, Victor Leary, Robert Lee, Harry H Leffler, Ralph H Leighton, Paul A Leonbardt, Carl Lenpert, John L	235 W. Pike St., Canonsburg, Pa 186 Riley St., Buffalo, N. Y. 5520 Baywood St., Pittsburgh, Pa. 63 St. John Ave., Binghamton, N. Y. 2 Orchard Ave., Auburn, N. Y. 2532 Robinwood Ave., Toledo, Ohio. White High School, Toledo, Ohio. Yale, Mich. 27 Inwood Pl., Buffalo, N. Y. Memphis, Mich. 11ffin, Ohio.	
8UP	Lathrope, Lyman S.	63 St. John Ave., Binghamton, N. Y.	- 170
8AQU	Leach, Frederick E	2 Orchard Ave., Auburn, N. Y	8.89
8TU	Leach, Gardner V	2532 Robinwood Ave., Toledo, Ohio	75
8RB	Leach, J. Gardner	White High School, Toledo, Ohio	0-51
8AGQ	Learmont, Victor	Yale, Mich	1
8UQ 8ADH	Leary, Robert	27 Inwood Pl., Buffalo, N. Y	
8KG	Leffler Relph H	Tiffin Ohio	100
8KG 8AFT	Leighton, Paul A.	55 Lexington Ave., Columbus, Ohio	500
8QD	Leonhardt, Carl	14 Olive St., Norwalk, Ohio	100
$^{8\mathrm{QD}}_{8\mathrm{ANL}}$	Leppert, John L. Lester, William G Levy, Irving R Lewis, Nelson	611 E. Church St., Galion, Ohio	(3)
8UI	Lester, William G	189 N. Division St., Buffalo, N. Y	
8MM	Levy, Irving R	1333 E. Blvd., Cleveland, Ohio	
8ANQ 8QG	Lewis, Nelson F.	2921 Urwiller St., Cincinnati, Onio	
8AGN	Lindsay Alexander M ir	600 Park Ave Rochester N V	
8LA	Lindsay, Percy H	172 N. Division St., Buffalo, N. Y.	
8LJ	Linxweiler, Carl J	140 Eagle St., Dayton, Ohio.	
8ASA	Lininger, Clarence R	614 N. Broad St., Ridgway, Pa	
8BE	Lippert, John P	195 Rozelle Ave., East Cleveland, Ohio	
8MR	Livinggood, Hubert W	27 Inwood Pl., Burialo, N. Y.  Memphis, Mich.  Tiffin, Ohio  55 Lexington Ave., Columbus, Ohio.  14 Olive St., Norwalk, Ohio.  611 E. Church St., Galion, Ohio  189 N. Division St., Buffalo, N. Y.  1333 E. Blvd., Cleveland, Ohio.  2921 Urwier St., Cincinnati, Ohio.  15 Hullet St., Horseheads, N. Y.  600 Park Ave., Rochester, N. Y.  172 N. Division St., Buffalo, N. Y.  140 Eagle St., Dayton, Ohio.  614 N. Broad St., Ridgway, Pa.  195 Rozelle Ave., East Cleveland, Ohio.  1825 Michigan Ave., Detroit, Mich.  1500 Coutant St., Lakewood, Ohio.  312 Huron St., South Haven, Mich.  1139 St. Paul St., Rochester, N. Y.  11444 Euclid Ave., Cleveland, Ohio.  1210 E. Ludlow St., Hamilton, Ohio.  516 5th St., Oakmont, Pa.  531 Beach Ave., Cambridge Springs, Pa.	
8RH 8APE	Locke, Carl M D	212 Huron St. South Havon Mich	
8LF	Loebs George	1139 St. Paul St., Rochester, N. Y.	
8GU	Loehr, George R	11444 Euclid Ave., Cleveland, Ohio	
8AAN	Lohrey, Clarence R	1210 E. Ludlow St., Hamilton, Ohio	
8GR	Long, Charles A	516 5th St., Oakmont, Pa 531 Beach Ave., Cambridge Springs, Pa 63 E. Pine St., Gloversville, N. Y.	
8JG	Lord, Harry R	531 Beach Ave., Cambridge Springs, Pa	
SQC SBO	Lucas, W. Gerald	Riplay N V	
8JX	MacCandless Lyon H	351 Jefferson St. Rochester, Pa	
SBP	Macer. Arthur J.	37 Jefferson St., Westfield, N. Y	
8EA	Mack, Clifford J	49 McGovern Ave., Ashtabula, Ohio	
SAFO	MacKnight, J. Donald	44 Tremont Ave., Binghamton, N. Y	
SAKR	MacLaren, Wallace E	2979 Hampshire Rd., Cleveland Heights, Ohio	4
SLM SUN	MacDaughin, Donaid	540 A St. Lorein Ohio	
BJI	Maddock, Lewis D	183 Winkles St., Elvria, Ohio	
BLR	Lewis, Nelson. Lewis, Walter E. Lindsay, Alexander M., jr. Lindsay, Alexander M., jr. Linxweiler, Carl J. Lininger, Clarence R. Lippert, John P. Livinggood, Hubert W. Locke, Carl M. Lockwood, Harry P. Loebs, George Loher, George R. Lohrey, Clarence R. Long, Charles A. Lord, Harry R. Lucas, W. Gerald. Lyons, Henry E. MacCandless, Lyon H. Macer, Arthur J. Mack, Clifford J. Mack, Clifford J. MacKnight, J. Donald. MacDarlerson, William D. Maddock, Lewis D. Magdeburg, Morris R. Magregor, James E. Malbin, Samuel. Mann, Frank W. and Orville	1306 Spruce St., Ashland, Pa.	
8MO	Magregor, James E	211 Gold Ave., Grand Rapids, Mich	
SPF	Malbin, Samuel Mann, Frank W. and Orville	12 S. Gratiot Ave., Mt. Clemens, Mich.	
BABO	Mann, Frank W. and Orville	63 E. Pine St., Gloversville, N. Y.  Ripley, N. Y.  351 Jefferson St., Rochester, Pa  37 Jefferson St., Westfield, N. Y.  49 McGovern Ave., Ashtabula, Ohio.  44 Tremont Ave., Binghamton, N. Y.  2979 Hampshire Rd., Cleveland Heights, Ohio  261 W. 8th St., Marysville, Ohio  138 Winkles St., Elyria, Ohio  138 Winkles St., Elyria, Ohio  211 Gold Ave., Grand Rapids, Mich.  12 S. Gratiot Ave., Mt. Clemens, Mich.  728 Elm Pl., Kalamazoo, Mich.	
RON	L. Mann Rolland	53 Good Ave Buffelo N V	
BQN BJZ	Manning, Alfred J.	3315 Monroe Ave., Cleveland, Ohio.	
SMI	Manning, Howard	298 Prospect Ave., Meadville, Pa	
BAEN	Manning, Stuart M	527 Mitchell St., Petoskey, Mich	
RV	Mann, Rolland Manning, Alfred J Manning, Howard Manning, Howard Manning, Stuart M Marshall, Frank J Marshall, Leonard A Marshall, Ronald A Mason, Carl D	517 W. Delaware Ave., Toledo, Ohio	
SSC	Marshall Ropold A	Cazanovia N V	
SUV SEV SBN	Marshall, Konald A. Mason, Carl D. Mason, George W. Mason, Norman P. Matthes, Frank P. Mattice, William A. Maxon, Harry L. Maynard, Reginald. McBride, George. McCaffry, Angus	Oak Grove Mich	
BN	Mason, George W	165 S. 2d St., Fulton, N. Y	
OR	Mason, Norman P	85 Brinkerhoff St., Plattsburg, N. Y	
AHA	Matthes, Frank P	14 8th St., Rochester, N. Y	
AER	Mattice, William A	105 Highland Pl., Ithaca, N. Y.	
MB SY	Maxon, Harry L	267 Brinkman St., Bullalo, N. Y	
ARH	McBride, George	7061 Litchfield St., Bay City Mich	
GD	McCaffry, Angus	103 W. Willis Ave., Detroit, Mich.	
ND GF	McCaffry, Angus McCarty, Alison McCowan, Jack McCracken, Harold J	38 Morgan St., Oberlin, Ohio	
GF	McCowan, Jack	906 8th St., Port Huron, Mich.	
HI	McCracken, Harold J	1540 12th St., Detroit, Mich	
WH	McCutcheon William A	103 Dow St. Felcoper N. V	
AED	McDaniel Donald C	17 Coloredo St. Ashtabula Obio	
IK	McDowell, M. Fav	612 Mithoff St., Columbus, Ohio	- 3
QI	McEniry, Clifford U	875 Michigan Ave., Buffalo, N. Y	10
SAOU	McKee, Robert R	7008 Church Ave., Ben Avon, Pa	
TD	McMillan, Howard F	728 Elm Pl., Kalamazoo, Mich  53 Good Ave., Buffalo, N. Y.  315 Monroe Ave., Cleveland, Ohio.  298 Prospect Ave., Meadville, Pa.  527 Mitchell St., Petoskey, Mich.  517 W. Delaware Ave., Toledo, Ohio.  2234 Putnam St., Toledo, Ohio.  Cazenovia, N. Y.  Oak Grove, Mich.  165 S. 2d St., Fulton, N. Y.  85 Brinkerhoff St., Plattsburg, N. Y.  14 8th St., Rochester, N. Y.  105 Highland Pl., Ithaca, N. Y.  267 Brinkman St., Buffalo, N. Y.  920 Grandview St., Scranton, Pa.  7063 Litchfield St., Bay City, Mich.  103 W. Willis Ave., Detroit, Mich.  38 Morgan St., Oberlin, Ohio.  906 8th St., Port Huron, Mich.  1540 12th St., Detroit, Mich.  5801 Stanton Ave., Pittsburgh, Pa.  103 Dow St., Falconer, N. Y.  17 Colorado St., Ashtabula, Ohio.  612 Mithoff St., Columbus, Ohio.  875 Michigan Ave., Buffalo, N. Y.  7008 Church Ave., Ben Avon, Pa.  217 W. High St., Mt. Gilead, Ohio.  Cambridge, Ohio.  Olivers Mills, Pa.  6428 Aurelia St., Pittsburgh, Pa.	- 13
NC TG	Meighen Jemes C	Cambridge, Ohio	
TU	morgiali, James U	Univers mins, Pa	

#### EIGHTH DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power
			Kw.
8AKS	Meredith, C. Palmer	628 S. Fountain St., Springfield, Ohio	+ 1.
8A KJ 8IB	Merrick, W. Bernard	156 Marshall St., Conneaut, Ohio	
8PA	Meredith, C. Palmer Merrick, W. Bernard Mielke, Carl E. Miller, Arthur	3019 Grenada St., Pittsburgh, Pa. Spencerville, Ohio. 14 Beuland Ave., Mt. Clemens, Mich. 71 Aurora St., Lancaster, N. Y. 37 Gaylord St., Binghamton, N. Y. Mount Carmel, Pa. 2253 E. Jefferson St., Detroit, Mich.	:
SIR	Miller, Arthur P. Miller, Carl E., jr. Millspaugh, Frederick. Milyo, Stephen. Minor, Simon I.	14 Beuland Ave., Mt. Clemens, Mich.	
8AAX	Miller, Carl E., jr	71 Aurora St., Lancaster, N. Y	1
8AAX 8ASB	Millspaugh, Frederick	37 Gaylord St., Binghamton, N. Y	
8QM	Milyo, Stephen	Mount Carmel, Pa	
8BR 8OW	Milyo, Stephen Miner, Simeon J Mitchell, Edward H Mitchell, Phillip Mitchell, William E Mittendorf, Earl D Moershfelder, Herbert L Moon. Oryille P	539 Main St. Findley, Ohio	1.
8UL	Mitchell Phillip	8806 Blaine Ave., Cleveland, Ohio.	1.
8EZ	Mitchell, William E	R. F. D. No. 1, Oxford, Ohio	
8AES	Mittendorf, Earl D	403 5th St., Ironton, Ohio	1,
8HP	Moershfelder, Herbert L	34 Ketchum Pl., Buffalo, N. Y	
8JF 8UG	Moore Chester	28 Linden Ave. Ruffelo N. V.	:
8AFN	Moore, Harold S.	18 Locust St., Norwich, N. Y.	
SUZ	Moore, John B	141 Park St., Buffalo, N. Y	
8AAD	Moon, Orville P Moore, Chester Moore, Harold S Moore, John B Moore, John H Morris, Carleton D Morris, Larenta	Mount Carmel, Pa.  2253 E. Jefferson St., Detroit, Mich  539 Main St., Findlay Ohio.  8806 Blaine Ave., Cleveland, Ohio.  R. F. D. No. I, Oxford, Ohio.  403 5th St., Ironton, Ohio.  34 Ketchum Pl., Buffalo, N. Y.  1752 E. Erie Ave., Lorain, Ohio  28 Linden Ave., Buffalo, N. Y.  18 Locust St., Norwich, N. Y.  141 Park St., Buffalo, N. Y.  40 Prospect St., Susquehanna, Pa.  31 Monroe St., Monroeville, Ohio.  1231 E. High St., Springfield, Ohio.  East Stroudsburg, Pa.	
8AGK	Morris, Carleton D	31 Monroe St., Monroeville, Ohio	
SAOF SNE	Morrow, Lorentz A	Fast Stroudsburg Pa	1.
SUE	Mosteller, Floyd		
SAAL	Mover, Gilbert G.	1603 Lincoln Ave., Lakewood, Ohio.	1
8SR	Mueller, Henry C	1919 Doll St., Pittsburgh, Pa	
SAS	Moyer, Gilbert G. Mueller, Henry C. Muhlbeyer, Charles W. Muhlheizler, Louis.	1603 Lincoln Ave., Lakewood, Ohio. 1919 Doll St., Pittsburgh, Pa. State Hospital, Rochester, N. Y 530 Fernando St., Pittsburgh, Pa. 105 Excelsior St., Pittsburgh, Pa.	
8ST	Muhlheizler, Louis	530 Fernando St., Pittsburgh, Pa	1.
SIS	Munch, Ernest A. and Albert A.	105 Excessor St., Fittsburgh, Fa	
SAIR	Munro, Glenn A	25 Calvert Ave., Detroit, Mich	
SE B	Munro, Glenn A. Munsell, Robert S.	191 Center St., Ashtabula, Ohio	
8AAM	Murdoch, William B., jr	301 W. College St., Canonsburg, Pa	:
8ANZ	Murdoch, William B., jr. Murray, Charles J. Muryne, Leo F. J. Myers, George E. Myers, Homer B. Myers, Walter L. Nabring, Franklin. Nealon, William A. Neupert, Robert E. Newbold, James L.	20 Caivert Ave., Detroit, Mich. 191 Center St., Ashtabula, Ohio. 301 W. College St., Canonsburg, Pa. 701 W. Fair St., New Philadelphia, Ohio. 633 W. North St., Kalamazoo, Mich. R. F. D. No. 1, Grand Blanc, Mich. 1310 Huron Rd. (Cleveland, Ohio. 1512 W. Market St., Steubenville, Ohio. 52 Foster Ave., Norwalk, Ohio. 1604 St. Clair St., Cleveland, Ohio. 500 Chartiers Ave., McKees Rocks, Pa. 111 Orchard St., Solvay, N. Y.	
SAIE SEN	Muryne, Leo F. J	R F D No 1 Grand Blane Mich	
SEN SHD	Myers, George E	1310 Huron Rd., Cleveland, Ohio	
8ABD	Myers, Walter L	1512 W. Market St., Steubenville, Ohio	1.
8LO	Nabring, Franklin	52 Foster Ave., Norwalk, Ohio	
8TP	Nealon, William A	1604 St. Clair St., Cleveland, Ohio	
8MP	Neupert, Robert E	111 Orghard St. Solvey, N. V.	1.
STI SARC	Newbold, James L	685 W. Ferry St., Buffalo, N. Y	. :
8KS	Newman, Ansley Newton, Archibald E Newton, Harold D Nichols, Raymond B	500 Chartiers Ave., McKees Rocks, Pa.	1.
8KS 8APT	Newton, Harold D	565 School St., South Haven, Mich	177
8JH	Nichols, Raymond B	Cattaraugus, N. Y.	
SACE	Norquist, Reynold O	517 E. 5th St., Jamestown, N. Y	1
$^{ m 8ID}_{ m 8BL}$	O'Bryon James W	Ranson W Va	, 1.
8KN	Odenkirk, Russell	332 N. Bever St., Wooster, Ohio	
8WL	O'Leary, Hilary	Montclair St. and Stratford Ave., Crafton, Pa	1.
8ASS	Olney, Clarke	28 Roxford Rd., East Cleveland, Ohio	
8ADQ	Olson, Elvin E	Frankford, Mich. 87 Frederick Ave., Detroit, Mich.	
8DF 8DL	Norris, George H. O'Bryan, James W. Odenkirk, Russell. O'Leary, Hilary. Olney, Clarke. Olson, Elvin E. Orrell, Robert W. Osterbrock, Edward and Harry, ir.	4152 Webster Ave., Norwood, Ohio.	
900	Harry ir.	4102 17 605001 21701,2101 17 6001, 01110	
8SJ	Ottney, James N	Gibsonburg, Ohio	1.
8AGX	Harry jr. Ottney, James N. Passch, Harold. Palmer, Roland F. Palmer, Roy. Pancost, Maurice H. Pardridge Claspea P.	Gibsonburg, Ohio. 215 W. Front St., Erie, Pa. 470 E. Buchtel Ave., Akron, Ohio. 333 Pennsylvania Ave., Lansing, Mich.	
8LB	Palmer, Roland F	470 E. Buchtel Ave., Akron, Ohio.	1
SACD SOT	Paneet Maurice H	R F D No 6 Lansing Mich	1.
SAAK	Pardridge, Clarence R	521 Nimons St., Saginaw, Mich.	1.
8CS	Pardridge, Clarence R Pardridge, Walter T Parmington, Walter O	3039 Washington Ave., Saginaw, Mich	1.
8CS 8AJA	Parmington, Walter O	1151 E. Main St., Rochester, N. Y.	
8AIG	Parry, Kenneth E	1226 Gillette St., Port Huron, Mich	
8ASR	Paul, George	2900 E. 57th St., Cleveland, Uhlo	1.
SV A	Pearce Henry A	223 Cedar St., Buffalo, N. Y.	
8CY 8VA 8OY	Parmington, waiter O Parry, Kenneth E Paul, George Payne, Arthur F Pearce, Henry A Peck, George W Perry, Paul A Perry, Ransom, jr Pesek, Myron R Petry, Joseph Peters, Edward	333 Pennsylvania Ave., Lansing, Mich. R. F. D. No. 6, Lansing, Mich. 521 Nimons St., Saginaw, Mich. 3039 Washington Ave., Saginaw, Mich. 1151 E. Main St., Rochester, N. Y. 1226 Gillette St., Port Huron, Mich. 2950 E. 57th St., Cleveland, Ohio. 629 Pierce St., Birmingham, Mich. 223 Cedar St., Buffalo, N. Y. 1014 Vine St., Scranton, Pa. 136 Woodbine Ave., Rochester, N. Y. Lisle, N. Y.	1.
8AMK	Perry, Paul A	136 Woodbine Ave., Rochester, N. Y	
8AEF	Perry, Ransom, jr	Lisle, N. Y. 3288 Fulton Rd., Cleveland, Ohio. 10 Lowell St., Rochester, N. Y.	
8SG	Pesek, Myron R	3288 Fulton Rd., Cleveland, Ohio	1.
8HT	Petz, Joseph	10 LOWEIIST., KOCHESTET, N. Y	10
8ARA 8FQ	Peters, Edward Phelps, Raymond W Phillips, Glenn E Phillips, Maynard W	188 N. 21st St., Columbus, Ohio. 203 N. Almer St., Caro, Mich. 551 McKintrys Ave., Detroit, Mich. Conewango, N. Y	
8DJ	Phillips, Glenn E	551 McKintrys Ave., Detroit, Mich.	1.
	I me to be a feet and a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a feet a	1 2	

#### EIGHTH DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Pov
		77 Market St., Mt. Clemens, Mich. R. F. D. No. 4, Battle Creek, Mich. 209 Hazelwood Ave., Emsworth, Pa. 142 Breckenridge St., Buffalo, N. Y. 10321 Ashbury Ave., Cleveland, Ohio. 1509 E. 123d St., Cleveland, Ohio. 212 E. Market St., Wilkes-Barre, Pa. 726 W. Norwegian St., Pottsville, Pa. 432 Pine St., Meadville, Pa. 5236 Westminster Pl., Pittsburgh, Pa. 839 E. Ridgeway Ave., Cincinnati, Ohio. 2124 N. 12th St., Toledo, Ohio. 537 W. Walnut St., Ashland, Ohio. 424 E. Main St., Wellington, Ohio. 3214 W. 88th St., Cleveland, Ohio. 421 Lincoln Ave., Bridgeport, Ohio. 423 Elizabeth St., Flint, Mich. 175 De Russey St., Binghamton, N. Y. 146 S. Bryant Ave., Bellevue, Pa. 24 Johnson Pk., Buffalo, N. Y. 209 Belvedere St., Charlevoix, Mich. Morrice, Mich.	K
8ANX 8CX	Phillips, William M. Phippeny, Forest I. Pickens, Willard H. Piper, Floyd B. Plantinga, John G. Poad, Edwin H. Popky, Charles J. Potts, Charles G. Poux, Noel J. Powell, Ralph C. Poysell, Robert E. Preece, Richard, ir.	77 Market St., Mt. Clemens, Mich	18
8CX	Phippeny, Forest I	R. F. D. No. 4, Battle Creek, Mich.	100
8AKB	Pickens, Willard H	142 Brookspridge St. Buffele N. V.	38
8GJ 8CJ	Plantings John G	10221 Ashbury Ava Claveland Objo	463
8RU	Poad Edwin H	1509E 123d St. Cleveland Ohio	13
8AGP	Popky, Charles I	212 E. Market St., Wilkes-Barre, Pa	-
8QW	Potts, Charles G	726 W. Norwegian St., Pottsville, Pa.	1877
SHQ.	Poux, Noel J	432 Pine St., Meadville, Pa	178
8Q.P	Powell, Ralph C	5236 Westminster Pl., Pittsburgh, Pa	135
8QP 8WQ	Poysell, Robert E	839 E. Ridgeway Ave., Cincinnati, Ohio	1999
SME	Preece, Richard, jr	2124 N. 12th St., Toledo, Ohio	100
SADX	Preece, Richard, jr. Preston, Kenneth G Preston, Menzo D Prince, Harmon Proffitt, Jerome B Proport, Jesse B	537 W. Walnut St., Ashland, Ohio	13%
880	Prince Hermon	2214 W 88th St., Wellington, Onio	1
SFY SNT	Proffitt Jerome B	471 Lincoln Ave Bridgenort Ohio	-
SAKP		823 Elizabeth St., Flint, Mich	18
BASL	Proutev. Laurence	175 De Russey St., Binghamton, N. Y.	1
8AOD	Ragsdale, Charles C. C	146 S. Bryant Ave., Bellevue, Pa	1150
8AOD 8AJS	Proutey, Laurence	24 Johnson Pk., Buffalo, N. Y	-
BIN BADA	Ranger, Arthur Rann, Maurice B Raring, William Rawson, Myron A Redington, Edmond B Roed Arthur I	24 Johnson P.K., Bullialo, N. Y. 209 Belvedere St., Charlevoix, Mich. Morrice, Mich. 20 Dinsmore Ave., Crafton, Pa. 535 Lodi St., Elyria, Ohio. 436 Waverly St., Waverly, N. Y. 2633 Norwood Ave., Pittsburgh, Pa. 288 Emerson St., Rochester, N. Y. 11423 Ashbury Ave., Cleveland, Ohio. Morrison and Cleveland Aves., Pittsburgh, Pa. 411 S. Limestone St., Springfield, Ohio. 510 Sheridan Ave., Pittsburgh, Pa. 120 Hershey St., Dayton, Ohio. 25 Sturges St., Binghamton, N. Y. 353 Birr St., Rochester, N. Y. 150 Livingston St., Buffalo, N. Y. 2259 E. S5th St., Cleveland, Ohio. 70 Davenport St., Detroit, Mich. 241 E. Center St., Shenandoah, Pa. 5811 Lexington Ave., Cleveland, Ohio. 1642 Cedar Ave., Cincinnati, Ohio. 1642 Cedar Ave., Cincinnati, Ohio. 1601 2d St. N.E., Canton, Ohio. Lake City, Mich.	1
BADA	Rann, Maurice B	Morrice, Mich.	3
BJL	Raring, William	20 Dinsmore Ave., Craiton, Pa	SE
SLS	Padington Edmond B	436 Wayerly St Wayerly N V	1
SAQM SALS	Reed Arthur J	2633 Norwood Ave. Pittsburgh Pa	15
BCE	Reeves, Arthur A., ir	288 Emerson St., Rochester, N. Y.	11 57
SAP	Reich, Herbert	11423 Ashbury Ave., Cleveland, Ohio.	100
BAPW	Redington, Edmond B Reed, Arthur J Reeves, Arthur A., jr Reich, Herbert Reichle, Henry W Reid, Thomas A Reidenbach, Lester A Rembold, Walter O Reynolds, Charles L Reynolds, Charles L Reynolds, Marion B Rice, Homer D Rich, Martin Richardson, Norton Richey Joseph L	Morrison and Cleveland Aves., Pittsburgh, Pa	100
SSP	Reid, Thomas A	411 S. Limestone St., Springfield, Ohio	1.9
SAHO	Reidenbach, Lester A	510 Sheridan Ave., Pittsburgh, Pa	183
BAGI	Rembold, Walter O	25 Sturges St. Dayton, Onio	
SOP SAEL	Reynolds, Charles L	353 Birr St Pochester N V	: 20
BLD	Rice Homer D	150 Livingston St. Buffalo N V	
STJ	Rich Martin	2259 E. 85th St., Cleveland, Ohio.	
SAOG	Richardson, Norton	70 Davenport St., Detroit, Mich.	
SAQG STW	Richey, Joseph L	241 E. Center St., Shenandoah, Pa	
SAC	Richardson, Norton Richey, Joseph L. Richmond, Norman E. Ricksecker, Russell E. Rippl, Lewis M. Ritchey, Ole B. Robertson, Adelbert R. Robinson, David K. Robinson, David L. Robie, Milo H. Rodd, Herbert C. Roe, Millard J. Rogers, Grant Root, Leland B. Rose, Herman.	5811 Lexington Ave., Cleveland, Ohio	
BAGJ	Ricksecker, Russell E	Lowellville, Ohio	
SAGJ SVD SAEU	Rienle, J. F	1601 2d St. N.F. Conton Obje	
SMS	Ritchey Ole B	Lake City Mich	
BAFK	Robertson, Adelbert R	7938 Tioga St., Pittsburgh, Pa	
BW	Robinson, David K	Frankfort, Mich.	-
BAAF	Robinson, David L	513 Freeport Rd., New Kensington, Pa	
MF	Robie, Milo H	Williamson, N. Y	
SASI	Rodd, Herbert C	2047 W. 101st St., Cleveland, Ohio	130
BASI	Roe, Millard J	909 Egleston Ave., Kalamazoo, Mich	
BDT BGM	Rogers, Grant	711 Ution St. Fulton N. V.	
SLY	Rose Herman	77 Johnson St. Buffalo N V	
SIH	Root, Leland B Rose, Herman. Ross, Donald H Ross, Kendrick Roy, Percy W Ruhl, Mark Russell, Fred W Russell, James L Ryan, Reginald G Ryan, Theodore W Sager, Merel Sanborn, Irwin T	375 Commonwealth Ave., Detroit, Mich	
BARI	Ross, Kendrick	60 Warwick Ave., Rochester, N. Y	1
BADC	Roy, Percy W	295 Maple St., Buffalo, N. Y	1
BADC BBM	Ruhl, Mark	160 Martin Ave., Columbus, Ohio	
SANE	Russell, Fred W	909 Kensington Ave. Sw., Grand Rapids, Mich	
BAL	Russell, James L	2012 B. 19th St., Cleveland, Ohio.	
RX RX	Ryan Theodore W	1453 14th Ave Detroit Mich	7.
ASW	Sager Merel	44 Apple St., Tiffin, Ohio.	
BAII	Sanborn, Irwin T	84 Chope Pl., Detroit, Mich.	
BAOO	Sauerbrey, William J	Shenandoah, Pa	
SAOQ SNV	Saunders, Ezra L	141 4th Ave., Gallipolis, Ohio	
NV	Sayles, Ralph H., jr	Milan, Ohio.	100
BAKZ	Sager, Merei Sanborn, Irwin T. Sauerbrey, William J. Saunders, Ezra L. Sayles, Ralph H., jr. Sayles, Thomas S.	1420 14th Ave., Detroit, Mich	
BADS	Schaming John P	2114 McClurg St Pittsburgh Pa	
HH HG	Schardt Carl M	19813 Marston Ave Cleveland Ohio	-
SOK	Scheib, Joseph F	6243 Station St., Pittsburgh, Pa.	
SHN	Schlegel, Raymond G.	1118 N. Negley Ave., Pittsburgh, Pa.	
SAFA	Schlesinger, Louis	1842 Centre Ave., Pittsburgh, Pa	
SAEE	Sayles, Thomas S. Schamberger, Sanford O. Schaming, John P. Schardt, Carl M. Schelb, Joseph F. Schlegel, Raymond G. Schlesinger, Louis. Schmidle, Claude. Schmidle, Claude. Schmidt Paul	1642 Cedar Ave., Cincinnati, Ohio 1601 2d St. NE., Canton, Ohio. Lake City, Mich. 7938 Tioga St., Pittsburgh, Pa. Frankfort, Mich. 513 Freeport Rd., New Kensington, Pa. Williamson, N. Y 2047 W. 101st St., Cleveland, Ohio. 909 Egleston Ave., Kalamazoo, Mich. 2065 McKinley Ave., Lakewood, Ohio. 711 Utica St., Fulton, N. Y 77 Johnson St., Buffalo, N. Y 375 Commonwealth Ave., Detroit, Mich. 60 Warwick Ave., Rochester, N. Y 295 Maple St., Buffalo, N. Y 160 Martin Ave., Columbus, Ohio. 909 Kensington Ave. SW., Grand Rapids, Mich. 2125 E. 79th St., Cleveland, Ohio. 204 Breaden St., Youngstown, Ohio. 1433 14th Ave., Detroit, Mich. 44 Apple St., Tiffin, Ohio. 84 Chope Pl., Detroit, Mich. Shenandoah, Pa. 141 4th Ave., Gallipolis, Ohio. Milan, Ohio. 1420 14th Ave., Detroit, Mich. 24 6th Ave., Gloversville, N. Y. 3114 McClurg St., Pittsburgh, Pa. 12813 Marston Ave., Cleveland, Ohio. 6243 Station St., Pittsburgh, Pa. 1118 N. Negley Ave., Pittsburgh, Pa. 1118 N. Negley Ave., Pittsburgh, Pa. 1181 N. Negley Ave., Pittsburgh, Pa. 1181 N. Negley Ave., Pittsburgh, Pa. 1181 N. Negley Ave., Pittsburgh, Pa. 1181 N. Negley Ave., Pittsburgh, Pa. 1182 Centre Ave., Pittsburgh, Pa. 1184 Centre Ave., Pittsburgh, Pa. 1186 Excelsior St., Pittsburgh, Pa. 150 Ross Ave., Hamilton, Ohio.	
8RW 8APD	Schmidle, Claude	Ebenezer, N. Y.	
	I Sonmidt Paul	106 Evonicior St Pittchurgh Pa	

# EIGHTH DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Power	
871			Kw.	
8AR 8KV 8DC	Schorn, Valentine A	338 Antietam St., Detroit, Mich	0.	
8KV	Schramm, Joseph H Schulder, Arthur	927 N. Highland Ave., Pittsburgh, Pa		
8DC	Schulder, Arthur	6110 Utica Ave., Cleveland, Ohio		
8LL	Schwanecamp, Raymond	207 Lemon St., Buffalo, N. Y		
8BY	Schwindt, Herman J	3517 Bevis Ave., Cincinnati, Ohio		
8LE	Scott, Hoyt S	North Fairfield, Ohio	1.	
8DB	Scott, Hoyt S. Scoville, George I. C. Scupholm, Fred J.	518 N. Jamison Ave., Lima, Ohio		
SAGR	Scupholm, Fred J	939 Court St., Port Huron, Mich		
8PN	See, Chester F	220 Antrim St., Charlevoix, Mich		
SPN SANI		1357 Tennessee Ave., Dormont, Pa		
SEE	Selden, Jrames M., jr Selden, James M., jr Servais, Francis W. Shafer, Andrew L. Shaw, Eurcle L. Shedd, Arthur R. Sheerin, Conway J.	Crafton, Pa. Falls Creek, Pa.	1	
SAPU STE	Servais, Francis W	Falls Creek, Pa	1	
STE	Shafer, Andrew L	Scott, Ohio. 2054 E. Anglaize St., Wapakoneta, Ohio. 302 Main St., Butler, Pa. 16 South St., Dansville, N. Y.		
8PQ	Shaw, Eurcile L	2051 É. Anglaize St., Wapakoneta, Ohio	1	
SAEP	Shedd, Arthur R	302 Main St., Butler, Pa		
8GX	Sheerin, Conway J	16 South St., Dansville, N. Y		
8MJ	Sherman, Fred	Benton Harbor, Mich	1	
SJR	Sherrill, Alvan C	326 S. Highland Ave., Pittsburgh, Pa	1	
SAEW	Shields, Robert D	10 South St., Dansville, N. Y. Benton Harbor, Mich. 326 S. Highland Ave., Pittsburgh, Pa. Sta. B., North High St., Columbus, Ohio		
BDG	Shiley, Charles	110 Washington St., Kalamazoo, Mich		
RLG	Sibert, Richard E	111 E. Benton St., Wapakoneta, Ohio		
SVE	Sherman, Fred. Sherrill, Alvan C. Sherill, Alvan C. Shields, Robert D. Shiley, Charles. Sibert, Richard E. Siedle, William R. Simcox, Paul C. Slagle, Vernon T.	110 Washington St., Kalamazoo, Mich. 111 E. Benton St., Wapakoneta, Ohio. 5637 Rippey St., Pittsburgh, Pa. 403 N. 7th St., Cambridge, Ohio.		
SNZ	Simcox, Paul C	403 N. 7th St., Cambridge, Ohio		
TT	Slagle, Vernon T	68 E. 17th Ave., Columbus, Ohio		
SUX	Sleeman, Walter R. Slocum, Charles. Slyfield, Charles O. Smith, Grant A. Smith, Harold H.	68 E. 17th Ave., Columbus, Ohio. 205 Sagamore St., Pittsburgh, Pa. 170 Annadale Ave., Akron, Ohio. Frankfort, Mich. 408 Jay St., St. Clair, Mich. 363 Potomac Ave., Buffalo, N. Y. 525 N. Main St., Wellington, Ohio. Tippecanoe City, Ohio. Knox, Pa.	1	
8WM	Slocum, Charles	170 Annadale Ave., Akron, Ohio		
BANT	Slyfield, Charles O	Frankfort, Mich		
SQO SAJR	Smith, Grant A	408 Jay St., St. Clair, Mich		
BAJR	Smith, Harold H	363 Potomac Ave., Buffalo, N. Y		
SCP	Smith, Newell R	525 N. Main St., Wellington, Ohio		
KL	Smith, Raymond	Tippecanoe City, Ohio		
SOE	Smith, Verne E	Knox, Pa		
SOE SALA SKZ	Snider, Ellwood H	20 Normandy Ave., Rochester, N. Y		
8KZ	Snyder, Lawrence L	260 S. Walnut St., Ravenna, Ohio		
8FO	Smith, Harold H Smith, Newell R. Smith, Raymond Smith, Verne E. Snider, Ellwood H. Snyder, Lawrence L. Snyder, Norman G Somers, Warren A Spargo, James A., Jr Spaulding, Claude W Spencer, J. Edmund Spiller, Archibald G	Tippecanoe City, Ohio Knox, Pa. 20 Normandy Ave., Rochester, N. Y. 260 S. Walnut St., Ravenna, Ohio. 7 Central Ave., Ithaca, N. Y. 151 E. Main St., Bradford, Pa. 403 N. George St., Rome, N. Y. 22 Robinson Ter., Plattsburg, N. Y. 592 Lake St., Ashtabula, Ohio. 211 Strathmore Ave., East Cleveland, Ohio. 83 Saranac St., Rochester, N. Y. Continental, Ohio.		
RANN	Somers, Warren A	151 E. Main St., Bradford, Pa	-	
8FT 8AKX 8GW	Spargo, James A., ir	403 N. George St., Rome, N. Y		
8AKX	Spaulding, Claude W	32 Robinson Ter., Plattsburg, N. Y		
8GW	Spencer, J. Edmund	592 Lake St., Ashtabula, Ohio		
8HK	Spiller, Archibald G	211 Strathmore Ave., East Cleveland, Ohio		
8QU	Spindler, Raymond	83 Saranac St., Rochester, N. Y		
SARY	Spindler, Raymond Spittler, Stephen Spotts, Ralph T Staud, Cyril J Stautt, Jacob L Staunton, R. E. Stephen Stocker Harold I	88 Saranac St., Rochester, N. Y. Continental, Ohio. 11721 Euclid Ave., Cleveland, Ohio. 203 Rutger St., Rochester, N. Y. 347 Oakland Ave., Pittsburgh, Pa. 587 Dewey Ave., Rochester, N. Y. 15 Bedford Ave., Monticello, N. Y. R. F. D. No. 2, Kittanning, Pa. 416 Pine St., Lima, Ohio. Frankfort, Mich.		
8SH	Spotts, Ralph T	11721 Euclid Ave., Cleveland, Ohio		
8OZ	Staud, Cyril J	203 Rutger St., Rochester, N. Y		
SLH	Stauft, Jacob L	347 Oakland Ave., Pittsburgh, Pa		
8AKD	Staunton, R. E	587 Dewey Ave., Rochester, N. Y		
8DY	Stecher, Harold I. Steim, L. Harold	15 Bedford Ave., Monticello, N. Y		
SII	Steim, L. Harold	R. F. D. No. 2, Kittanning, Pa		
RIZ	Steinman, Dwight H	416 Pine St., Lima, Ohio	-	
8WJ	Stelzer, James G	Frankfort, Mich		
8BU		15 Clark St., Lancaster, N. Y		
SABI	Stellwagen, Arthur	312 E. Jefferson St., Ann Arbor, Mich		
8OL 8IG	Stern, Fred W	416 Fine St., Lims, Onio Frankfort, Mich 15 Clark St., Lancaster, N. Y 312 E. Jefferson St., Ann Arbor, Mich 835 Glenwood Ave., Cincinnati, Ohio. 516 W. Cedar St., Kalamazoo, Mich 1821 Humboldt Ave., Cincinnati, Ohio.		
81G	Sternfield, Charles B	516 W. Cedar St., Kalamazoo, Mich	+	
8VW	Steilrecht, Howard Stellwagen, Arthur Stern, Fred W Sternfield, Charles B Stevens, Allen C Stewart, Donald G Stiveny, Andrew	1821 Humboldt Ave., Cincinuati, Ohio. 2235 Putnam St., Toledo, Ohio. 1530 Buena Vista St. NS., Pittsburgh, Pa. 724 W. Market St., Lima, Ohio.		
8ANH	Stewart, Donald G	2235 Putnam St., Toledo, Ohio		
8PR	Stiveson, Andrew	1530 Buena Vista St. NS., Pittsburgh, Pa		
8ASF	Charles H.	121 W. Market St., Linna, Onto		
8ABK	Storck, Howard J. C	694 Carpenter St., Columbus, Ohio		
SAAR	Stouffer Vernon R	1195 Webb Rd. Lakewood Obio		
STO	Stouffer, Vernon B Stotter, Herbert J	1397 E Blyd Cleveland Ohio	1	
8ADN	Stradling Fred	Hamilton N V		
8AKK	Straith, Floyd E	195 Webb Rd., Lakewood, Ohio. 1397 E. Blvd., Čleveland, Ohio. 1397 E. Blvd., Čleveland, Ohio. Hamilton, N. Y. 80 Pingree Ave., Detroit, Mich. Venango, Pa.		
8ABW	Straw R Clyde	Venango Pa		
8OA	Struchen Raymond S	Sterrettania, Pa	1	
8QA 8HW	Strink William O	107 Lake St. Ithaca N. V.	-	
WHO	Style Gilbert	D F D No 2 Bellyna Po		
8AD 8AMO	Supernaw Tack S	205 Divon Ava Charlevoiv Mich		
SAMU SADR	Sullabargar John A	1412 Woodhourne Ave Pittsburgh Po		
	Sutherland Arthur F is	105 Rollovna Driva Rochaster N V		
8RP	Swaisgood Paul B	1444 E 118th St. Cleveland Obio		
8DX 8BS	Stotter, Herbert J. Stradling, Fred. Straith, Floyd E. Straw, R. Clyde. Strucken, Raymond S. Strunk, William O. Stybr, Gilbert. Supernaw, Jack S. Sullebarger, John A. Sutherland, Arthur E., jr. Swaisgood, Paul B. Swan, Donald.	193 Canfield Ave Detroit Mich	1	
8BS 8GP	Swan, Donaid	Venango, Pa Sterrettania, Pa 107 Lake St., Ithaca, N. Y. R. F. D. No. 3, Bellvue, Pa 305 Dixon Ave., Charlevoix, Mich 1412 Woodbourne Ave., Pittsburgh, Pa 105 Bellevue Drive, Rochester, N. Y 1444 E. 118th St., Cleveland, Ohio 123 Canfield Ave., Detroit, Mich 184 Bath St., Elyria, Ohio 18 Alfred St., Binghamton, N. Y		
	I CWMINGIL UNCHE FA	I 101 Data St., EIVIB, UIIU	-1	

#### EIGHTH DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Powe
Section 1		Continental, Ohio  148 Kennedy St., Syracuse, N. Y  103 Mason St., Cincinnati, Ohio  1319 W. 90th St., Cleveland, Ohio  1877 E. 90th St., NE., Cleveland, Ohio  220 Franklin Ave., Cleveland, Ohio  121 Louisa St., Williamsport, Pa  135 Brownsville Rd., Pittsburgh, Pa  135 Brownsville Rd., Pittsburgh, Pa  137 Tth St., Marietta, Ohio  138 Wall St., Port Huron, Mich  258 Madison Ave., Youngstown, Ohio  258 Madison Ave., Youngstown, Ohio  268 State St., Susquehanna, Pa  426 W. McKibben St., Lima, Ohio  262 State St., Susquehanna, Pa  426 W. McKibben St., Lima, Ohio  27 Earchard St., Grand Rapids, Mich  2700 Crawford St., Grand Rapids, Mich  2702 Allerton Ave., Cleveland, Ohio  1214 W. Market St., Lima, Ohio  124 Amanda Ave., Mt. Clemens, Mich  127 Lagonda Ave., Mt. Clemens, Mich  128 N. 2d St., Newark, Ohio  187 Lagonda Ave., Springfield, Ohio  4th and Wood Sts., Hamilton, Ohio  299 Ardenall Ave., Cleveland, Ohio  141 Amnerst St., Rochester, N. Y  2210 N. Washington Ave., New Castle, Pa  11 Amherst St., Rochester, N. Y  2149 Scottwood St., Toledo, Ohio  235 Hosea Ave., Lima, Ohio  235 Hosea Ave., Lima, Ohio  236 Rockenridge St. Buffalo, N. Y  408 Stewart Ave., Buffalo, N. Y  408 Drescharidge St. Buffalo, N. Y	Kw
8AIP	Tatman, Harley C	Continental, Ohio	0
8AK	Taylor, Willard L	148 Kennedy St., Syracuse, N. Y	1
8DH	Temple, Lemuel M	103 Mason St., Cincinnati, Ohio	
8GE 8ASM	Terbrack, John H	Scott Ohio	
8HJ	Terry James E.	1877 E 90th St. N.E. Claveland Ohio	1
810	The Electro-Set Co	3200 Franklin Ave Cleveland Ohio	. 1
8IQ 8KY	Thomas, Earl R.	712 Louisa St. Williamsport, Pa	
SACI	Thomas, Frank P.	135 Brownsville Rd., Pittsburgh, Pa.	1
8FX 8AMV	Thomas, Norman A	512 7th St., Marietta, Ohio	
8AMV	Thompson, Charles R	815 Wall St., Port Huron, Mich	100
8AIZ	Thornton, Wallace W	258 Madison Ave., Youngstown, Ohio	1 - 0
8AML	Thurn, Alois H	W. Greenlawn Ave., Columbus, Ohio	1245
8AND	Thurnes, Darley	187 W. Chestnut St., Akron, Ohio	
8AAC 8SZ	Tillany, Wade R	62 State St., Susquenanna, Pa	183
SADE	Todd Conway I.	62 Barkalay St. Rochester N V	-33
8GK	Tomlinson George E	520 Crawford St. Grand Rapids Mich	
SARV	Toreson, Alfred	9702 Allerton Ave. Cleveland, Ohio	1
8RT	Toy, Miles N	121 W. Market St., Lima, Ohio	
8RT 8VG	Taylor, Willard L. Temple, Lemuel M. Terbrack, John H. Terry, Donald M. Terry, Donald M. Terry, James E. The Electro-Set Co. Thomas, Earl R. Thomas, Frank P. Thomas, Norman A. Thompson, Charles R. Thornton, Wallace W. Thurn, Alois H. Thurnes, Darley. Tiffany, Wade R. Tobin, W. A. Todd, Conway L. Tomlinson, George E. Toreson, Alfred. Toy, Miles N. Trombley, Clarence E. Trotter, Robert J. Tullis, Don D. Turnbull, Alonzo E. Twitchell, H. Tyler, Albert P. Ulsh, Chester. Umbarger, Harold N. Van Buren, Harold J. Van De Carr, Richard D. Vanderyken, Marix	145 Washington Ave., Mt. Clemens, Mich	1
8IP	Trotter, Robert J	214 Amanda Ave., Mt. Oliver, Pa	100
8ARE	Tullis, Don D	59 N. 2d St., Newark, Ohio	152
8BZ	Turnbull, Alonzo E	1167 Lagonda Ave., Springfield, Ohio	411
8APO	Twitchell, H	4th and Wood Sts., Hamilton, Ohio	1.00
8ARU	Tyler, Albert P	299 Ardenall Ave., Cleveland, Onio	
8FB 8VJ	Ulsh, Chester	451 Summit St., Marion, Unio	10.3
8QT	Van Buren Harold I	114 N Crawford Ava New Castle Pa	3 60
SAOK	Van De Carr Richard D	11 Amheret St. Rochester N. V	93
8AQK 8SX	Vanderveken Marix	2210 N Washington Ave. Scranton, Pa	100
SSE	Vickery William J	40 Burr St., Gloversville, N. Y.	195
8AKN	Von Behren, William P	2149 Scottwood St., Toledo, Ohio	
8MK	Vonderhaar, Elliott	123 Valencia Ave., Cincinnati, Ohio	2.0
8ABE	von Gunten, Leon	751 Brice Ave., Lima, Ohio	
8AOB	Wachs, William C	235 Hosea Ave., Cincinnati, Ohio	
8BV	Wagner, Wayne	18 East St., Ashtabula, Ohio	100
80V	Van Buren, Harold J. Van De Carr, Richard D. Vanderveken, Marix. Vickery, William J. Von Behren, William P. Vonderhaar, Elliott. von Gunten, Leon. Wachs, William C. Wagner, Wayne. Wahl, Arthur F. and Wilburt C. Wahl, Edward C.	Pine Ridge, Builalo, N. Y  60 Stewart Ave., Buffalo, N. Y  352 Breckenridge St., Buffalo, N. Y  1626 Potter Pl., Cincinnati, Ohio  25 Grover St., Auburn, N. Y  615 N. 4th St., Cambridge, Ohio  837 N. 12th St., Cambridge, Ohio  De Kalb Junction, N. Y  Chesaning, Mich  1 Ellicott St., Depew, N. Y  18 Brookfield Pl., Lancaster, N. Y  116 Broad St., Elyria, Ohio  116 Alice St., Keyser, W. Va.  Wilberforce, Ohio  Richmond, Mich  2706 Toledo St., Pittsburgh, Pa  1002 Bellaire Ave., Pittsburgh, Pa  208 N. Main St., Greensburg, Pa  660 Riley St., Buffalo, N. Y  791 Seneca St., Buffalo, N. Y  2118 W. Tuscarawas St., Canton, Ohio  1720 6th St., Bay City, Mich  115 Weeks St., Jamestown, N. Y	168
8GI	Wahl, Edward C	60 Stewart Ave., Buffalo, N. Y	
80B	Waldrip, Laurence H	352 Breckenridge St., Buffalo, N. Y	143
8FD	Walker, Carl	1626 Potter Pl., Cincinnati, Ohio	133
8TV 8ACU	Wallace, L. Gordon	25 Grover St., Auburn, N. Y	1.3
SACU	Waller, Nellie M	615 N. 4th St., Cambridge, Ohio	
8CL	Waller, Roy W	De Kelb Tungtion N V	10
$8 \mathrm{AHS} $ $8 \mathrm{AFR}$	Walrath, Floyd E	Chasening Mich	1574
8AGV	Waltz Roy A	1 Ellicott St. Denew N Y	133
8AAY	Wannenmacher Harvey	18 Brookfield Pl. Lancaster, N. Y.	
8NA	Waterman, Fred W	116 Broad St., Elvria, Ohio	
8MU	Watson, Martin L	116 Alice St., Keyser, W. Va	
8EJ	Watson, Samuel C	Wilberforce, Ohio	
8GH	Weaver, Floyd H	Richmond, Mich	10
8PW	Weaver, Frank M	2706 Toledo St., Pittsburgh, Pa	1
8VT	Weaver, Henry C	1002 Bellaire Ave., Pittsburgh, Pa	-
8EY	Weaver, J. Marshall	660 Pilov St. Ruffolo N V	14
8JJ 8TM	Weber, Walter B	701 Sanga St Ruffalo N V	100
8AQW	Weckel Wilson E	2118 W. Tuscarawas St., Canton Ohio	133
8ADV	Wedthoff Guy G	1720 6th St., Bay City, Mich.	1-100
8EQ	Weekman, Frank L. and	115 Weeks St., Jamestown, N. Y.	1
	burt C. Wahl, Edward C. Waldrip, Laurence H Walker, Carl. Wallace, L. Gordon. Waller, Nellie M. Waller, Nellie M. Waller, Roy W. Walrath, Floyd E. Walser, Arthur L. Waltz, Roy A. Wannenmacher, Harvey. Waterman, Fred W. Watson, Martin L. Watson, Samuel C. Weaver, Floyd H. Weaver, Floyd H. Weaver, Frank M. Weaver, J. Marshall. Weber, Walter B. Weber, Walter B. Weber, Walter B. Weber, Walter B. Weber, Walter B. Weber, Walter B. Weekel, Wilson E. Wedthoff, Guy G. Weekman, Frank L. and Verne W. Weeks, Stuart R. Weemhoff, S. J. Weigold, Fred L. Weil, Norman C. Weiser, Felmer P. Weiser, Perry W. Weiss, Frank J. Welch, Thomas E. Weller, Alvin. Wellington, Vernon D. Welty, Noble K. Wendeln, Bernard O. Werner, Herman E. Westcott, Alva F.		1
8RE	Weeks, Stuart R	Richmond, Mich	
8HF	Weemhoff, S. J	1152 Lafayette Ave., SE., Grand Rapids, Mich	
8ARR	Weigold, Fred L	1630 Queen City Ave., Cincinnati, Ohio	1
8RC	Weil, Norman C	261 Riley St., Bullalo, N. I	1
8NX 8WK	Weiser, Eimer P	244 Darr Ava Wooster Obio	1.
8M K 8AEJ	Waise Frank T	Ambaret Ohio	1
8TF	Welch Thomas E	92 N. Main St., Mechanicsville, N. Y	1
8HV	Weller, Alvin	1440 Warren Rd., Lakewood, Ohio.	-
8FN	Wellington, Vernon D	511 Gibbs Ave., Wapakoneta, Ohio	-
8APS	Welty, Noble K	302 W. College St., Cannonsburg, Pa	-
8MT	Wendeln, Bernard O	Richmond, Mich.  1152 Lafayette Ave., SE., Grand Rapids, Mich.  1630 Queen City Ave., Cincinnati, Ohio.  231 Riley St., Buffalo, N. Y.  284 Brinkman St., Buffalo, N. Y.  344 Derr Ave., Wooster, Ohio.  Amherst, Ohio.  92 N. Main St., Mechanicsville, N. Y.  1440 Warren Rd., Lakewood, Ohio.  511 Gibbs Ave., Wapakoneta, Ohio.  302 W. College St., Cannonsburg, Pa.  133 N. Wayne St., St. Marys, Ohio.  41 Fay St., Akron, Ohio.  Ashville, N. Y.	1
8ADF	Werner, Herman E	41 Fay St., Akron, Ohio	1
8RQ			

# AMATEUR RADIO STATIONS—Continued. EIGHTH DISTRICT—Continued.

#### ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call signal.	Owner of station.	Location of station.	Power.
000000			Kw.
8AEZ	West, M. B	511 W. Eureka St., Lima, Ohio	1.0
8JM	Westfall, Earl J	292 Ontario St., Buffalo, N. Y	. 5
8ALW	Weyer, Elliott R	Washington, Pa. 584 S. Main St., Geneva, N. Y.	. 5
8VM	Wheat, Henry A., jr	584 S. Main St., Geneva, N. Y	.5
8LK	Wieneke, Edward	128 Peterboro St., Detroit, Mich	
8PP	Wier, Edwin	742 Gott St., Ann Arbor, Mich	. 5
8ARP	Wight, Lloyd W	127 Courtland, Wellington, Ohio. Flint Central High School, Flint, Mich.	1.0
8TC 8ACS	Wightman, E. Russell	2000 Haway Ava Cincipacti Obia	1.0
8UH	Wiley, Donald A	3029 Harvey Ave., Cincinnati, Ohio	.5
8EM	Wilkinson, Howard E	159 Northampton St., Buffalo, N. Y	.5
8VK	Willard, Charles A	239 Blaine Ave., Buffalo, N. Y. 2025 W. 95th St., Cleveland, Ohio.	.5
SIL	Williams, Burton P	2321 Perrysville Ave., Pittsburgh, Pa	
8EH	Williams, Claude	820 Brooks St., Ann Arbor, Mich.	1.0
SAIN	Williams, John C	60 Hollister St., Cincinnati, Ohio	.5
8JT	Williams, Raymond K	1342 Westlake Ave., Lakewood, Ohio	.5
8KT	Williamson, Warren, jr	1840 Market St., Youngstown, Ohio	. 5
8GC	Wilson Albert S	Apollo, Pa. 838 Ohio Ave., Youngstown, Ohio. Silver Creek, N. Y.	1.0
8AHD	Wilson, Arthur Y	838 Ohio Ave., Youngstown, Ohio	. 5
SARZ	Wilson, Harold H	Silver Creek, N. Y	. 5
8AFE	Windham, Elwood A	917 Lincoln Ave., Port Huron, Mich	. 5
8JD	Wing, Willis K	Scott High School, Toledo, Ohio	1.0
8UF	Wing, Willis K	938 Grand Ave., Toledo, Ohio	. 5
SADL	Winne, Robert F	19 Holley St., Brockport, N. Y	1.0
SAGD .	Wirsching, Harold A	24 Cannon St., Dayton, Ohio	. 5
SARD	Wollmuth, Edward	827 Bird Ave., Buffalo, N. Y. 634 Grace St., Kalamazoo, Mich. 310 Augustine St., Rochester, N. Y.	, 5
8SA	Wood, Dewey H	634 Grace St., Kalamazoo, Mich	. 5
SAFG	Wood, Donald	759 Andrean St., Rochester, N. Y	.5
SAOL	Wood, Walter S. Woodbury, George F. Woodcock, William D.	752 Ardmore St., Akron, Ohio. 137 E. William St., Bath, N. Y. 496 W. Ferry St., Buffalo, N. Y. 15 Lakin Ave., Jamestown, N. Y.	. 5
8AKO 8SK	Woodcook William D	406 W Forry St Buffolo N V	1.0
8AMM	Woodin, Lloyd.	15 Lakin Ave Jamestown N V	.5
SAGO	Woodmanse, Harold W	214 Morris Ave., Buffalo, N. Y.	.5
8AAI	Woodruff, C. Herschel	48 Woodruff Ave., Columbus, Ohio	.5
8ADB	Woods, James B	48 Woodruff Ave., Columbus, Ohio. 400 Wills Rd., Connellsville, Pa.	1.0
8SU	Woodworth, Samuel	R. F. D. No. 3, Syracuse, N. Y	1.0
90A	Worbass, Raymond K	7410 Carnegie Ave. Cleveland Ohio	. 5
SAON	Worden, Ralph P	665 Lafayette Rd., Medina, Ohio	. 5
SANG	Wright, Harold D., jr	1116 W. Market St., Lima, Onio	. 5
8NP	Wright, J. Warren	1119 Fountain Ave., Springfield, Ohio	. 5
8AI	Wright, William A. S Wurtz, Francis L	7216 McCurdy Pl., Ben Avon, Pa	. 5
8SS	Wurtz, Francis L	Boston, N. Y. 1036 N. Clinton Ave., Rochester, N. Y.	. 5
8TR	Yaeger, Henry	1036 N. Clinton Ave., Rochester, N. Y	. 5
8WN	Yerigan, George S	632 E. Ludlow St., Hamilton, Ohio	.5
8ASU	Yotter, Francis P Young, Arthur C	Freeport, Pa. 1311 Abbott Rd., Buffalo, N. Y. 717 W. Gray St., Elmira, N. Y.	. 5
8ARB 8ALK	Young, Arthur C	717 W. Croy St. Flying N. V.	.5
8WU	Young, Joel	722 N. Washington St., Van Wert, Ohio	1.0
8JQ	Young, L. Clifford	110 Fourth Ave., Ann Arbor, Mich	1.0
200	sociation.	110 Fourth 2006, 20th 201001, Mich	1.0
8GB	Young Men's Christian As-	Zara and Virginia Sts., Pittsburgh, Pa	.5
OATT	sociation.	Elemia Ohio	10
8AFI	Young Men's Christian Association Radio Club.	Elyria, Ohio	1.0
8VV	Zeigler, Harry W	7th and Ross Sts., Tarentum, Pa	1.0
SIT	Zelenka, Stanley	3546 Caryle Ave., Cleveland, Ohio.	.5
8CH	Zikovsky, Theodore	44 Kingsville Ave., Ashtabula, Ohio	1.0
8NI	Zimmerman, Frederick C., jr.	15 Taft Ave., Detroit, Mich	. 5
8VN	Zornow, Harry	661 E. 120th St., Cleveland, Ohio	1.0

# ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
8AA 8AAB 8AAC 8AAD 8AAE 8AAF	Hausding, William A. Anderson, L. R. Tiffany, Wade R. Moore, John H. Helbling, William E. Robinson, David L.	8AAG 8AAH 8AAI 8AAJ 8AAK 8AAL	Dominick, John H. Ditto, Earl J. Woodruff, Charles H. Brice, William E. Pardridge, Clarence R. Moyer, Gilbert G.	8AAM 8AAO 8AAP 8AAQ	Murdoch, William B., jr. Lohrey, Clarence R. Bishman, Richard F. Brown, Stanley E. Devinney, Robert C.

# EIGHTH DISTRICT—Continued.

# ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
8AAR	Stouffer, Vernon.	8AEE	Schmid, Paul J.	8AIA	Cady, Fred L.
8AAB	Stouffer, Vernon. Bower, Geerge C.	8AEF	Perry, Ransom, jr.	8AIC	Cady, Fred L. Feldstein, Milton.
SAAT	Kinman, Carson 8.	8AEG	Cawley, Eugene H.	8AID	Butine, Arthur B.
8AAU	Kinman, Carson 8. Brownell, Ralph.	8AEH	Cawley, Eugene H. Balson, Donald W.	8AIE	Butine, Arthur B. Muryne, Leo F. J.
RAAV	Frank, Newton J.	8AEI	Erskine, James	8AIF	Bell, Irving.
8AAW 8AAX 8AAY	Frank, Newton J. Bear, Walter D.	8AEJ	Erskine, James Weiss, Frank J Kiger, Earnest W.	8AIG	Parry, Kenneth E.
8AAX	Miller, Carl E., jr.	8AEK	Kiger, Earnest W.	8AIH.	Parry, Kenneth E. Hoehl, Raymond H.
8AAY	Wannenmacher, Har-	8AEL	Reynolds, Marion B.	8AII	Sanborn, Irwin T.
	vey F.	8AEM	Reynolds, Marion B. Galloway, W. Lyon. Manning, Stuart.	8AIJ	Sanborn, Irwin T. Huey, Wesley Conrad, Mark
8AAZ	Kauffman, Jacob W.	8AEN	Manning, Stuart.	SAIL	Conrad, Mark
8AB	Barr, Forrest L.	8AEO	Doeright, Gilbert A. Shedd, Arthur.	8AIM	Brothers, Loya C.
8ABA	Burgwardt, Freder-	8AEP	Albertson William C	8AIN 8AIP	Brothers, Loyd C. Williams, John C. Tatman, Harley C.
8ABD	ick C., jr. Myers, Walter L.	8AEQ 8AER	Albertson, William C. Mattice, William A.	8AIQ	Karl, Rudolph.
8ABE	Von Gunten, Leon.	8AES	Mittendorf, Earl D.	SAIR	Munro, Glenn A
8ABG		8AET	Cole, Kenneth.	8AIS	Munro, Glenn A. Burdick, George M. C.
8ABI	Stellwagen, Arthur.	l SAEU	Cole, Kenneth. Rippl, Lewis M.	8AIT	Carpenter, Sears.
8ABK	Storck, Howard J. C.	8AEV	Houck, Homer D.	8AIU	l Kavs. George W., ir.
8ABM	Grosse, Herbert F.	8AEW	Shields, Robert D.	8AIV	Kaestle, Albert.
8ABN	Jones, Hugo W.	8AEW 8AEX	Calkins, Norman.	8AIY	Kaestle, Albert. Carroll, Stanley W.
8ABO	Stellwagen, Arthur. Storck, Howard J. C. Grosse, Herbert F. Jones, Hugo W. Mann, Orville L.	8AEY	Davis, Harold P.	8AIZ	Thornton, Wallace. Custis, Walter E.
SABR	1 TTOWO, INCLUDED IT.	8AEZ	West, M. B.	8AJ	Custis, Walter E.
8ABS	Coville, Perkins.  Dotterweich. Ed-	8AF	Houck, Homer D. Shields, Robert D. Calkins, Norman. Davis, Harold P. West, M. B. Frey, Frederick E. Schleeinger, Louis	8AJA	Parmington, Walter
8ABT	Dotterweich, Ed- ward, jr.	8AFA 8AFD	Schlesinger, Louis. Finley, Chester T.	8AJG	O. Breets Fugere C
8ABU	Honking Caril W	8AFE	Windham, Elwood.	8AJI	Baker Gerald M
8ABW	Hopkins, Cecil W. Straw, R. Clyde.	8A FG	Wood, Donald.	8AJM	Braatz, Eugene C. Baker, Gerald M. Calvert, Allen. Knott, Charles E. Amen J. C.
8AC	Richmond, Norman	8AFG 8AFI	Wood, Donald. Y. M. C. A.	8AJN	Knott, Charles E.
	E.	8AFK	Kobertson, Adelbert	8AJO	Amann, J. C. Smith, Harold H.
8ACA	Hisey, Norval W.		_R.	8AJR	Smith, Harold H.
8ACD	Palmer, Roy.	8AFM	Kilbury, Walter A. Moore, Harold S.	8AJS	Raichle, Joe L. Clement, Russell C. Ball Charles H
SACE	Norquist, Reynold O. Thomas, Frank P.	8AFN 8AFO	Moore, Haroid S.	8AJT 8AJU	Clement, Russell C.
8ACI 8ACK	Diale Dropoll M	OAFU	MacKnight, J. Don- ald.	8AK	
8ACM	Blair, Russell M.	8AFR	Walser, Arthur L.	8AKA	Taylor, Willard L. Kepler, Ralph E.
8ACN	Jacobus, Roger. Kelso, Herbert F.	8AFS	Kovatch, Alex.	8AKB	Pickens, W. H.
8ACO	Dietsch, Carl G. F.	8AFT	Kovatch, Alex. Leighton, Paul A. Beaman, Paul S.	8AKC	Bain, Ovid.
8ACR	Atkinson, ward.	8AFU	Beaman, Paul S.	8AKD	Staunton, R. E.
8ACS	Wiley, Donald A.	8AFW	Beidle, Kobert H.	8AKE	Daly, James J.
8ACT	Baumgardner, Don-	8AG	Broome, Donald W.	8AKF 8AKG	Hepner, Earl. Bower, Orville D. Hartwich, Harry. Merrick, W. Bernard. Straith, Floyd E. Von Behren, Wm. P. Woodbury, Geo. F. Kaehni, Frank J.
PACIT	ald G.	8AGA	Katzenberger, Ray- mond.	8AKG 8AKH	Howardsh Homes
8ACU 8ACW	Waller, Nellie M.	8AGB	Jacks, Albert L.	8AKJ	Marrick W Bernard
8AD	Johnstone, Richard S. Stybr, Gilbert. Rann, Maurice B.	8AGC		8AKK	Straith, Floyd E.
8ADA	Rann, Maurice B.	8AGD	Wirsching, Harold A.	8AKN	Von Behren, Wm. P.
8ADB	Woods, James B.	8AGE	Hanville, Roy A.	8AKO	Woodbury, Geo. F.
8ADC	Roy, Percy W.	8AGF	Howard, Carl G.	8AKQ	Kaehni, Frank J.
8ADD	Woods, James B. Roy, Percy W. Fassett, G. M. Earle. Todd, Conway L.	8AGG	Wirsching, Harold A. Hanville, Roy A. Howard, Carl G. Anton, William G. Burns, Herman E. Barnbeld, Welter O.	8AKS	Kaehni, Frank J. Meredith, C. Palmer.
SADE	Todd, Conway L.	8AGH	Burns, Herman E.	8AKV 8AKW	Gaige, Robert J.
8ADF	werner, Herman E.	8AGI 8AGJ	Rembold, Walter O. Ricksecker, Russell E.	8AKW	Chevilding Claude W.
8ADG 8ADH	Chandler, Merle C.	SAGK	Morris, Carleton D.	8AKX 8AKY	Dyka & Fugana
8ADI	Lee, Harry H.	8AGL	Bishon: Robert C	8AKZ	Savles Thomas S
8ADJ	Kohli, Homer J.	8AGM	Bishop, Robert C. Burtis, Melvin M.	8AL	Gaige, Robert J. Giesenberg, Carl. Spaulding, Claude W. Dyke, S. Eugene. Sayles, Thomas S. Russell, James. Snider, Ellwood, H.
8ADK	Cundall, Lincoln A. Kohli, Homer J. Ford, Elliot.	8AGN	Lindsay, A. M., jr. Woodmansee, Harold	8ALA	Snider, Ellwood H. Lacock, Walter B.
8ADL	Winne, Robert F.	8AGO	Woodmansee, Harold	8ALD	Lacock, Walter B.
8ADM	Winne, Robert F. Darrall, William G. Stradling, Fred. Kahn, Fred J. Rrown, Clarence W.	04.00	W.	8ALE	Alexander, Lot and
8ADN	Formulag, Fred.	8AGP	Popky, Charles J.	0 4 T T	Hodge.
8ADO 8ADP	Brown Clarence W	8AGQ 8AGR	Learmont, Victor. Scupholm, Fred J. Hart, Ian B. Hand, Ledyard M.	8ALI 8ALK	Dauberman, John R.
8ADQ	Brown, Clarence W. Olson, Elvin E.	8AGS	Hart Jan B	8ALM	Hunter Noble A
8ADR	Sullebarger, John.	8AGT	Hand, Ledvard M.	8ALN	Young, Joel. Hunter, Noble A. Addis, Roy R.
8ADS	Schamberger, Sanford	8AGU	Jepson, Mark B.	8ALO	Bovee, Charles W.
		8AGV	Waltz, Roy A.	8ALS	Bovee, Charles W. Reed, Arthur J.
8ADT	Greenwald, Hugo. Hoffman, Donald A. Wedthoff, Guy G.	8AGV 8AGW	Jepson, Mark B. Waltz, Roy A. Carlson, Wendell L. Paasch, Harold.	8ALU	Burkhardt, Geo. E. Weyer, Eiliott R. Hartle, Wilbert G.
8ADU	Hoffman, Donald A.	8AGX	raasch, Harold.	8ALW	Weyer, Eiliott R.
8ADV	Weathon, Guy G.	8AGY	i Diirnam. Haroid M. I	8AM	
8ADW 8ADX 8ADY	Barris, Allen.	8AGZ 8AHA	Bohannan, Robert C. Matthes, Frank P. Wilson, Arthur Y	8AMA 8AMB	Champe, Willard C.
SATO	Preston, Kenneth G. Atkinson, Earl W.	8AHD	Wilson, Arthur Y	8AMD	Craig. Palmar
8ADZ	Euler, John F.	8AHE	Bruning, Miles F.	8AMF	Swingle, Forrest W
8AE	Euler, John F. Berndt, Wm. F.	8AHN	Bruning, Miles F. Hawks, Harry L.	8AMG	Koch, Frank. Craig, Palmer. Swingle, Forrest W. Altdoerffer, Frank H. Wilson James A
8AEA	Cushman, Robert A.	8AHO	Reidenbach, Lester	8AMH	Wilson, James A.
8AEB	Cushman, Robert A. Kepler, Newton. Gerhard, David.		l A '	8AMI	Wilson, James A. Hanny, George. Allan, Donald.
	tearnard David	8AHS	Walrath, F. E. Kremer, Harold E. Wright, Wm. A.	8AMJ	Alian, Donald,
8AEC   8AED	McCutcheon, Wil-	8AHW	V13 73	8AMK	Perry, Paul A.

# EIGHTH DISTRICT—Continued.

### ALPHABETICALLY BY CALL SIGNALS-Continued.

SAMP Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.  AMG Ansen, Charles T.	Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
SAMW V. Thompson, Charles R. SAMW S. Enuser, Joseph D. N. SAMW Extuser, Joseph D. N. SAMW Extuser, Joseph D. N. SANB B. Green, Sangh D. N. SANB B. Green, Sangh D. N. SANB B. Green, Sangh L. SANB B. Green, Sangh L. SANB B. Green, Sangh L. SANB B. Green, Sangh L. SANG B. Sangh D. J. SANB B. Green, Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. Sangh L. Sangh L. Sangh L. Sangh L. Sangh L. Sangh L. Sangh L. Sangh L. Sangh L. Sangh L. Sangh L. Sangh L. Sangh L. Sangh L. Sangh L. Sangh L	8AMP	Hodgkins, Harley G.	8AQE	Kerstetter, J. How-		Davis, Charles C.
SAMW V. Thompson, Charles R. SAMW S. Enuser, Joseph D. N. SAMW Extuser, Joseph D. N. SAMW Extuser, Joseph D. N. SANB B. Green, Sangh D. N. SANB B. Green, Sangh D. N. SANB B. Green, Sangh L. SANB B. Green, Sangh L. SANB B. Green, Sangh L. SANB B. Green, Sangh L. SANG B. Sangh D. J. SANB B. Green, Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. SANG B. Sangh L. Sangh L. Sangh L. Sangh L. Sangh L. Sangh L. Sangh L. Sangh L. Sangh L. Sangh L. Sangh L. Sangh L. Sangh L. Sangh L. Sangh L. Sangh L. Sangh L	SAMQ.	Anson, Charles T.	8100			Kimberly, Frank.
SANY Lines, 1981   SAQN SAMZ   Greener E. SANG SANC   Greener E. SANG SANC   Greener E. SANG SANC   Greener E. SANG SANC   Greener E. SANG SANC   Greener E. SANG SANG SANG SANG SANG SANG SANG SANG	8AMV	Thompson, Charles R.		Rockwalter John F		Lippert, John P.
SAMZ Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.  3AND Bower, Stanley.	8AMW	Krauser, Joseph D.	8AQK	Van De Carr, Rich-		Kroeger, Gustav H.
SANO Thurnes, Darley. SANO Thurnes, Darley. SANN E Russell, Fred W. SANF E Frase, Ralph L. SANO Wright, Harry D. Jr. SANN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN	8AMY	Kingsbury, Ralph N.	İ	ard D.		Lappe, E. Robert.
SANO Thurnes, Darley. SANO Thurnes, Darley. SANN E Russell, Fred W. SANF E Frase, Ralph L. SANO Wright, Harry D. Jr. SANN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN E Stewart, Donald G. SAN		Bower Stanley	8AQM	Redington, Edmond		O'Bryan, James W.
SAND Thurines, Darley. SANE Russell, Fred W. SANF Frace, Raiph L. SANN Wright, Harry D., Jr. SANH Bersan, Frace, Raiph L. SANN Wright, Harry D., Jr. SANH Bersan, Ponald G. SANE Emest, Robert A. SANN Emest, Robert A. SANN Emest, Robert A. SANN Berson, Walfred. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey, J. Everett. SANN Bashey	8ANC		SAON	Burdg Clarence E		rum, mark.
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SAOA Dieter, Howard L. Waller, Roy W. SAOB Wachs, William C. SAOE Kent, Arthur L. SARR RARY Ragodale, Charles C. C. Hull, James E. SART Coughenour, Virgil J. Tyler, Albert P. SCO Waller, Roy W. Barton, James F. SAOE Hull, James E. SARV Creps, John A. SARX Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF Creps, John A. SARX SAOF CREPS, John A. SARX SAOF CREPS, John A.	8ANZ	Murray, Charles.	SARP	Wight, Lloyd W.		Plantinga. John G.
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RAOU Ragadale, Charles C.C. RAOE Hull, James E. RAOG Hull, James E. RAOG Creps, John A. Clauve, Carl E. RAOH Clauve, Carl E. RAOI Curtiss, Gerald H. RAOI Curtiss, Gerald H. RAOI Durstine, John F. RAOI Wood, Walter S. RAOU Wood, Walter S. RAOU Wood, Walter S. RAON Worden, Ralph P. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, Wm. J. RAOO Sauerbrey, W	8AOA	Dieter, Howard L.	SARR		8CL	Waller, Roy W.
AAOF Morrow, Lorentz A.  8AOF Morrow, Lorentz A.  8AOH Clauve, Carl E.  8AOJ Durstine, John F.  8AOJ Durstine, John F.  8AOJ Wood, Waiter S.  8AOL Wood, Waiter S.  8AOM Hamel, Arthur.  8AOW Worden, Ralph P.  8AOO Sauerbrey, Wm J.  8AOC Sauerbrey, Wm J.  8AOC Sauerbrey, Wm J.  8AOC Beizzler, Emmerson L.  8AOV Cramer, Charles F.  8AOV Clem, Robert R.  8AOV Clem, Robert R.  8AOV Clem, Robert R.  8AOV Clem, Robert R.  8AOV Clem, Robert R.  8AOV Clem, Robert R.  8AOV Clem, Robert R.  8AOV Clem, Robert R.  8AOV Clem, Robert R.  8AOV Clem, Robert R.  8AOV Clem, Robert R.  8AOV Clem, Robert R.  8AOV Clem, Robert R.  8AOV Clem, Robert R.  8AOV Clem, Robert R.  8AOV Clem, Robert R.  8AOV Clem, Robert R.  8AOV Clem, Robert R.  8AOV Clem, Robert R.  8AOV Clem, Robert R.  8AOV Clem, Robert R.  8AOV Clem, Robert R.  8AOV Clem, Robert R.  8AOV Clem, Robert R.  8AOV Clem, Robert R.  8AOV Clem, Robert R.  8AOV Clem, Robert R.  8AOV Clem, Robert R.  8AOV Clem, Robert R.  8AOV Baler Reich, Herbert R.  8APP Reich, Herbert R.  8APP Reich, James H.  8ARY Sanuel W.  8APP Rachtal, Alfred.  8APP Rachtal, Alfred.  8APW Raylisard R.  8APW Raschle, Henry W.  8APW Raschle, Henry W.  8APW Raschle, Henry W.  8APW Raschle, Henry W.  8APW Raschle, Henry W.  8ARR V.  8ARY Toreson, Alfred.  8CP Belinson, Meyer.  8CR  8CR  8CR  8CR  8CR  8CR  8CR  8C	8ÃOC	Kent, Arthur L.	SART	Coughenour, Virgil J.	8CN	Barton, James F.
SAOU Clauve, Carl E.  SAOI Clauve, Carl E.  SAOI Clauve, Carl E.  SAOI Curtiss, Gerald H.  SAOK Brewster, Fred J.  SAOK Hamel, Arthur.  SAON Wood, Walter S.  SAON Worden, Ralph P.  SAOO Sauerbrey, Wm J.  SAOP Bowyer, Glenn B.  SAOP Bowyer, Glenn B.  SAOV Eiszler, Emmerson L.  SAOV McKee, Robert R.  SAOU McKee, Robert R.  SAOU McKee, Robert R.  SAOU McKee, Robert R.  SAOV Cramer, Charles F.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SOV Mulliam Clev.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel	8AOD	nagadane, charles c.c.	8ARU	Tyler, Albert P.	8CO	Harmon, H. W.
SAOU Clauve, Carl E.  SAOI Clauve, Carl E.  SAOI Clauve, Carl E.  SAOI Curtiss, Gerald H.  SAOK Brewster, Fred J.  SAOK Hamel, Arthur.  SAON Wood, Walter S.  SAON Worden, Ralph P.  SAOO Sauerbrey, Wm J.  SAOP Bowyer, Glenn B.  SAOP Bowyer, Glenn B.  SAOV Eiszler, Emmerson L.  SAOV McKee, Robert R.  SAOU McKee, Robert R.  SAOU McKee, Robert R.  SAOU McKee, Robert R.  SAOV Cramer, Charles F.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SOV Mulliam Clev.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel C.  SOV McDaniel	8AOE	Hull, James E.	8ARV	Toreson, Alfred.	8CP	Smith, Newell R.
SAOL Curtiss, Geraid II.  SAOK Brewster, Fred J.  SAOK Wood, Walter S.  SAON Worden, Ralph P.  SAON Worden, Ralph P.  SAOP Bowyer, Glenn B.  SAOP Bowyer, Glenn B.  SAOP Bowyer, Glenn B.  SAOP Bowyer, Glenn B.  SAOP Bowyer, Glenn B.  SAOP Bowyer, Glenn B.  SAOP Bowyer, Glenn B.  SAOP Bowyer, Glenn B.  SAOP Bowyer, Glenn B.  SASE Slotzenbach, Robert and Charles.  SAOF Cramer, Charles F.  SAOV McKee, Robert R.  SAOV Cramer, Charles F.  SAOV Cramer, Charles F.  SAOV Cramer, Charles F.  SAOV Cramer, Charles F.  SAOV Cramer, Charles F.  SAOV Cramer, Charles F.  SAOV Cramer, Charles F.  SAOV Cramer, Charles F.  SAOV Cramer, Charles F.  SAOV Cramer, Charles F.  SAOV Cramer, Charles F.  SAOV Cramer, Charles F.  SAOV Cramer, Charles F.  SAOV Cramer, Charles F.  SAOV Cramer, Charles F.  SAOV Cramer, Charles F.  SAOV Cramer, Charles F.  SAOV Cramer, Charles F.  SAOV Clem, Robert.  SAOV Cooley, Clair R.  SAOV Cooley, Clair R.  SAOV Cooley, Clair R.  SAOV Bowyer, Glenn B.  SASS Multipspuept, Fredk.  SCV Kress, Lester P.  SCV Ryan, Reginald G.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX McDanled G.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  Scv III of Charles G.  SCX Phippeny, Forrest I.  Scv III of Charles G.  Scv III of Charles G.  Spoulder Arthur.  Scr Bornia G.  Scv III of Charles G.  Spoulder Arthur.  Scr Bornia G.  Scr Bornia G.  Scr	RAOG	Creps John A	SARW	Ackley William I	8CQ	Ichnson I H E
SAOL Curtiss, Geraid II.  SAOK Brewster, Fred J.  SAOK Wood, Walter S.  SAON Worden, Ralph P.  SAON Worden, Ralph P.  SAOP Bowyer, Glenn B.  SAOP Bowyer, Glenn B.  SAOP Bowyer, Glenn B.  SAOP Bowyer, Glenn B.  SAOP Bowyer, Glenn B.  SAOP Bowyer, Glenn B.  SAOP Bowyer, Glenn B.  SAOP Bowyer, Glenn B.  SAOP Bowyer, Glenn B.  SASE Slotzenbach, Robert and Charles.  SAOF Cramer, Charles F.  SAOV McKee, Robert R.  SAOV Cramer, Charles F.  SAOV Cramer, Charles F.  SAOV Cramer, Charles F.  SAOV Cramer, Charles F.  SAOV Cramer, Charles F.  SAOV Cramer, Charles F.  SAOV Cramer, Charles F.  SAOV Cramer, Charles F.  SAOV Cramer, Charles F.  SAOV Cramer, Charles F.  SAOV Cramer, Charles F.  SAOV Cramer, Charles F.  SAOV Cramer, Charles F.  SAOV Cramer, Charles F.  SAOV Cramer, Charles F.  SAOV Cramer, Charles F.  SAOV Cramer, Charles F.  SAOV Cramer, Charles F.  SAOV Clem, Robert.  SAOV Cooley, Clair R.  SAOV Cooley, Clair R.  SAOV Cooley, Clair R.  SAOV Bowyer, Glenn B.  SASS Multipspuept, Fredk.  SCV Kress, Lester P.  SCV Ryan, Reginald G.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX McDanled G.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  SCX Phippeny, Forrest I.  Scv III of Charles G.  SCX Phippeny, Forrest I.  Scv III of Charles G.  Scv III of Charles G.  Spoulder Arthur.  Scr Bornia G.  Scv III of Charles G.  Spoulder Arthur.  Scr Bornia G.  Scr Bornia G.  Scr	8AOH	Clauve, Carl E.	8ARY	Spitler, Stephen.	8CS	Pardridge, Walter T.
8AON Sauerbrey, Wm J. 8AOP Bowyer, Glenn B. 8AOQ Baunders, Erra L. 8AOR Adams, Joy C. 8AOS Eiszler, Emmerson L. 8AOU McKee, Robert R. 8AOU McKee, Robert R. 8AOU Cramer, Charles F. 8AOU Cramer, Charles F. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8DH Cleward and Harry. 8DN Coberbrock, Edward and Harry. 8DN Bock, Clifford Clew Clem, Robert. 8DN Bock, Clem, Arthur. 8DD Coberbrock, Edward and Harry. 8DD Bock, Carries Clem, Millis, Harold C. 8DD Boll, Norman W. 8DD Boll, Norman W. 8DD Boll, Norman W. 8DD Boll, Norman W. 8DD Boll, Norman W. 8DD Boll, Norman W. 8DD Boll, Norman W. 8DD Bo	8AOI	Cupties Garald II	8ARZ	I WILSON HAPOID H	8CT	Bush, Claude M.
8AON Sauerbrey, Wm J. 8AOP Bowyer, Glenn B. 8AOQ Baunders, Erra L. 8AOR Adams, Joy C. 8AOS Eiszler, Emmerson L. 8AOU McKee, Robert R. 8AOU McKee, Robert R. 8AOU Cramer, Charles F. 8AOU Cramer, Charles F. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8DH Cleward and Harry. 8DN Coberbrock, Edward and Harry. 8DN Bock, Clifford Clew Clem, Robert. 8DN Bock, Clem, Arthur. 8DD Coberbrock, Edward and Harry. 8DD Bock, Carries Clem, Millis, Harold C. 8DD Boll, Norman W. 8DD Boll, Norman W. 8DD Boll, Norman W. 8DD Boll, Norman W. 8DD Boll, Norman W. 8DD Boll, Norman W. 8DD Boll, Norman W. 8DD Bo	8AOK	Brawster Fred I		Lininger Clarence B	8CV	Krees Lector P
8AON Sauerbrey, Wm J. 8AOP Bowyer, Glenn B. 8AOQ Baunders, Erra L. 8AOR Adams, Joy C. 8AOS Eiszler, Emmerson L. 8AOU McKee, Robert R. 8AOU McKee, Robert R. 8AOU Cramer, Charles F. 8AOU Cramer, Charles F. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8DH Cleward and Harry. 8DN Coberbrock, Edward and Harry. 8DN Bock, Clifford Clew Clem, Robert. 8DN Bock, Clem, Arthur. 8DD Coberbrock, Edward and Harry. 8DD Bock, Carries Clem, Millis, Harold C. 8DD Boll, Norman W. 8DD Boll, Norman W. 8DD Boll, Norman W. 8DD Boll, Norman W. 8DD Boll, Norman W. 8DD Boll, Norman W. 8DD Boll, Norman W. 8DD Bo	8AOL	Wood, Walter S.	8ASB	Millspaugh, Fredk.	1 8CW	Ryan, Reginald G.
8AON Sauerbrey, Wm J. 8AOP Bowyer, Glenn B. 8AOQ Baunders, Erra L. 8AOR Adams, Joy C. 8AOS Eiszler, Emmerson L. 8AOU McKee, Robert R. 8AOU McKee, Robert R. 8AOU Cramer, Charles F. 8AOU Cramer, Charles F. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8AOU Clem, Robert. 8DH Cleward and Harry. 8DN Coberbrock, Edward and Harry. 8DN Bock, Clifford Clew Clem, Robert. 8DN Bock, Clem, Arthur. 8DD Coberbrock, Edward and Harry. 8DD Bock, Carries Clem, Millis, Harold C. 8DD Boll, Norman W. 8DD Boll, Norman W. 8DD Boll, Norman W. 8DD Boll, Norman W. 8DD Boll, Norman W. 8DD Boll, Norman W. 8DD Boll, Norman W. 8DD Bo	8AOM	Hamel, Arthur.	8ASC	Kidd, J. William.	8CX	Phippeny, Forrest I.
SAOUR Salimors, Erta L.  Adams, Joy C.  SAOS Eszler, Emmerson L.  SAOU Demarest, Foster J.  SAOU McKee, Robert R.  SAOV Cramer, Charles F.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Basser Clem Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Fault.  SABI Commer, Charles E.  Evans, Jack.  SDF Schulder, Arthur.  SDD Crarl, Robert W.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley,	8AON	Worden, Raiph P.	SASD	i Duniillore, walisca P. i	8CY	Payne, Arthur F.
SAOUR Salimors, Erta L.  Adams, Joy C.  SAOS Eszler, Emmerson L.  SAOU Demarest, Foster J.  SAOU McKee, Robert R.  SAOV Cramer, Charles F.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Basser Clem Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Robert.  SAOV Clem, Fault.  SABI Commer, Charles E.  Evans, Jack.  SDF Schulder, Arthur.  SDD Crarl, Robert W.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley, Charles.  Shley,	8AOP	Bowver, Glenn B.	DADE	and Charles.	&Z	merame, Donaid G.
8AOB Eszler, Emmerson L. 8ASH Finegan, George W. 8DD Schulder, Arthur. 8AOU Demarset, Foster J. 8ASI Rec, Millard J. Conner, Charles E. 8ASI Cramer, Charles F. 8ASK SaoV Cramer, Charles F. 8ASK Clem, Robert. 8ASK Cooley, Clair R. 8ASK Hughes, Edwin R. 8ASN Fisk, Rufus. 8ASN Fisk, Rufus. 8ASP Reich, Herbert. 8ASP Greenwell, Robert. 8ASP Schmidt, Paul. 8ASP Greenwell, Robert. 8ASP Schmidt, Paul. 8ASP Hones, Christian. 8ASI Hills, Harold C. 8ASP Hary E. 8ASV Henses, Christian. 8ASI Hills, Harold C. 8ASP Bachtel, Alfred. 8ASV Sasy Francis P. 8ASW Auten, George C. 8ASW Sasy Francis P. 8APK BAPK Bachtel, Alfred. 8ASV Hughes, Christian. 8ASI Transform, Robert L. 8ASP Rock, Ashley P. 8AT Bachtel, Alfred. 8ASV Hughes, Christian. 8ASI Transform, Robert L. 8ASP Rock, Ashley P. 8AT Bachtel, Alfred. 8AV Fullwood, William R. 8DV Rogers, Grant. 8API Servais, Francis W. 8AV Reichle, Henry W. 8AV Rock, Henry W. 8AV Reichle, Henry W. 8AV Els., Wilkard C. 8AV Roger, Merol. 8AV Reichle, Henry W. 8AV Reichle, Henry W. 8AV Els., Wilkard C. 8AV Mack, Clifford J. 8AV Mack, Clifford J. 8AV Mack, Clifford J. 8AV Mack, Clifford J. 8AV Mack, Clifford J.	8AOQ	i Baimders, Ezra L.	8ASG	Howeare Geo D	8DA	Horton, Paul E.
AAOU McKee, Robert R. 8ASI McCen, Robert R. 8ASI McCen, Robert R. 8AOW Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI Clem, Robert. 8ASI	8AOR	Adams, Joy C.	04917	and Flory, Carl L.	8DB	Scoville, George I.
SAOW Clem, Robert.  8AOX Cooley, Clair R. 8AOX Hughes, Edwin R. 8AOX Hughes, Edwin R. 8AOZ Ferris, James H. 8ASB Risk, Rufus. 8APA Reich, Herbert. 8APA Schmidt, Paul. 8APA Schmidt, Paul. 8APB Schmidt, Paul. 8APB Hones, Christian. 8API Hones, Christian. 8API Bachtel, Alired. 8APK Bachtel, Alired. 8APK Bachtel, Alired. 8APW Raley, Robert. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Rober	8AOT	Demarest, Foster J.		Roe, Millard J.	8DD	Fleckner, Harry K.
SAOW Clem, Robert.  8AOX Cooley, Clair R. 8AOX Hughes, Edwin R. 8AOX Hughes, Edwin R. 8AOZ Ferris, James H. 8ASB Risk, Rufus. 8APA Reich, Herbert. 8APA Schmidt, Paul. 8APA Schmidt, Paul. 8APB Schmidt, Paul. 8APB Hones, Christian. 8API Hones, Christian. 8API Bachtel, Alired. 8APK Bachtel, Alired. 8APK Bachtel, Alired. 8APW Raley, Robert. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Reich, Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Robert R. 8APW Rober	8AOU	McKee, Robert R.	8ASJ	Conner. Charles E.	8DF	Orrell, Robert W.
8AOX Cooley, Clair R. 8AOY Hughes, Edwin R. 8AOZ Ferris, James H. 8AP Reich, Herbert. 8APA Beer, Frank P. 8APA Beer, Frank P. 8APB Schmidt, Paul. 8APB Lockwood, Harry P. 8APG Henes, Christian. 8API Childs, Herbert R. 8APK Bachtel, Alired. 8APW Auten, George C. 8APW AAPA ABAPO Twitchell, H. 8APB Welty, Noble K. 8APB Welty, Noble K. 8APB Welty, Noble K. 8APU Servais, Francis W. 8APU Racchile, Henry W. 8APW Racchile, Henry W. 8APW Racchile, Henry W. 8APW Racchile, Henry W. 8APW Racchile, Henry W. 8APW Racchile, Henry W. 8APW Racchile, Henry W. 8APW Racchile, Henry W. 8APW Racchile, Henry W. 8APC BERNOWS AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWILD AND TWIL	RAOV	Cramer, Charles F.		Evans Jack	8DG	i Shiley, Charles.
SAPA SAPA SAPA SAPB Schmidt, Paul. SAPB SAPE SAPE SAPE SAPE SAPE SAPE SAPE SAPE	8AOX	Cooley, Clair R.	8ASM	Terry, Donald M		Gurnee, Floyd L
SAPA SAPA SAPA SAPB Schmidt, Paul. SAPB SAPE SAPE SAPE SAPE SAPE SAPE SAPE SAPE	8ÃOY	Hughes, Edwin R.	8ASN	Fisk, Rufus.	8D <b>J</b>	Phillips, Glenn.
SAPA SAPA SAPA SAPB Schmidt, Paul. SAPB SAPE SAPE SAPE SAPE SAPE SAPE SAPE SAPE	8AQZ	Ferris, James II.	8A80	Carr, Irving E.	8DK	Kobre, Frank.
SAPD Schmidt, Paul.  SAPE Lockwood, Harry P.  SAPG Henes, Christian.  Childs, Herbert R.  SAPK Bachtel, Alired.  SAPK Bachtel, Alired.  SAPM Auten, George C.  SAPM Auten, George C.  SAPM Bachtel, Ashley P.  SAPK BAPE Huff, Samuel W.  SAPR BAPE Huff, Samuel W.  SAPR Welty, Noble K.  SAPR Welty, Noble K.  SAPR SAPR Reichle, Henry W.  SAPR Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPC Huff, Samuel W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Henry W.  SAPW Reichle, Levis W.  SAPW Reichle, Levis W.  SAPW Reichle, Levis W.  SAPW Reichle, Levis W.  SAPW Reichle, Lewis W.  SAPW Reichle, Lewis W.  SAPW Reichle, Lewis W.  SAPW Reichle, Lewis W.  SAPW Reichle, Lewis W.  SAPW Reichle, Lewis W.  SAPW Reichle, Lewis W.  SAPW Reichle, Lewis W.  SAPW Reichle, Lewis W.  SAPW Reichle, Lewis W.  SAPW Reichle, Lewis W.  SAPW Reichle, Lewis W.  SAPW Reichle, Lewis W.  SAPW Reichle, Lewis W.  SAPW Reichle, Lewis W.  SAPW Reichle, Lewis W.  SAPW Reichle, Lewis W.  SAPW Reichle, Lewis W.  SAPW Reichle, Lewis W.  SAPW Reichle, Lewis W.  SAPW Reichle, Lewis W.  SAPW Reichle, Lewis W.  SAPW Reichle, Lewis W.  SAPW Reichle, Lewis W.  SAPW Reich	SAP SAPA	Rest Frank D	SASA	Gamble, Howard B.	SDL	and Harry
8API Bachtel, Alfred. 8ASU Bachtel, Alfred. 8ASU Bachtel, Alfred. 8APM Auten, George C. 8ASW Bachtel, Alfred. 8APW Back, Ashley P. 8APB Back, Ashley P. 8APB Huff, Samuel W. 8AV Fullwood, William R. 8APB Welty, Noble K. 8AW Gogel, Adelbert J. 8APB Newton, Harold D. 8APW Reichle, Henry W. 8AY Irvin, Daniel L. 8APW Reichle, Henry W. 8AZ Hansen, Edmund H. 8AZ Mack, Clifford J.	8APD	Schmidt, Paul.	SASR	Paul. George.	8DM	Esch. Winthrop W.
8API Bachtel, Alfred. 8ASU Bachtel, Alfred. 8ASU Bachtel, Alfred. 8APM Auten, George C. 8ASW Bachtel, Alfred. 8APW Back, Ashley P. 8APB Back, Ashley P. 8APB Huff, Samuel W. 8AV Fullwood, William R. 8APB Welty, Noble K. 8AW Gogel, Adelbert J. 8APB Newton, Harold D. 8APW Reichle, Henry W. 8AY Irvin, Daniel L. 8APW Reichle, Henry W. 8AZ Hansen, Edmund H. 8AZ Mack, Clifford J.	8APE	Lockwood, Harry P.	8A88	Olney, Clarke.	8DN	Knappen, Bert.
8APB Weity, Noble K. 8AW Gogel, Adelbert J. 8DX Swaisgood, Paul B. 8APU Servais, Francis W. 8AY Irvin, Daniel L. 8DY Stecher, Harold I. 8APW Reichle, Henry W. 8AZ Hansen, Edmund H. 8AZ Mack, Clifford J.	8APG	Henes, Christian.		Hills, Harold C.		Bell, Norman W.
8APB Weity, Noble K. 8AW Gogel, Adelbert J. 8DX Swaisgood, Paul B. 8APU Servais, Francis W. 8AY Irvin, Daniel L. 8DY Stecher, Harold I. 8APW Reichle, Henry W. 8AZ Hansen, Edmund H. 8AZ Mack, Clifford J.	8APK	Bachtel, Alfred.	8A8V	Davidson Robert L.	8DR	Holmes, Chas. E.
8APB Weity, Noble K. 8AW Gogel, Adelbert J. 8DX Swaisgood, Paul B. 8APU Servais, Francis W. 8AY Irvin, Daniel L. 8DY Stecher, Harold I. 8APW Reichle, Henry W. 8AZ Hansen, Edmund H. 8AZ Mack, Clifford J.	8APM	Auten, George C.	8ASW	Sager, Merel.	8D8	Godley, Gordon F.
8APB Weity, Noble K. 8AW Gogel, Adelbert J. 8DX Swaisgood, Paul B. 8APU Servais, Francis W. 8AY Irvin, Daniel L. 8DY Stecher, Harold I. 8APW Reichle, Henry W. 8AZ Hansen, Edmund H. 8AZ Mack, Clifford J.	8APN	Bock, Ashley P.	8AT	Barton, Howard.		Rogers, Grant.
8APT Wetry, Noble R. SAW Gogsi, Adeibert J. SDX Swasgood, Faul B. 8APU Newton, Harold D. 8AX Gentzsch, Leonard H. 8DY Stecher, Harold L. 8APW Reichie, Henry W. 8AZ Irvin, Daniel L. Hansen, Edmund H. 8DZ Aker, Ellison E. 8AQ Mack, Clifford J.	SAPE	Huff Samuel W	0 4 37	Fullwood William R	אמא אתא	Anger Charles O
SAQ   Els. Willard C.	RA PB	Welty, Noble K.	8AW	Gogel, Adelbert J.	8DX	Swaisgood, Paul B.
SAQ   Els. Willard C.		Newton, Harold D.	8AX	Gentzsch, Leonard H.	8DY	Stecher, Harold L.
SAQ   Els. Willard C.	8APU	Beichle Honey W	8AY	Irvin, Daniel L.	8DZ	Aker, Ellison E.
8AQA King, William R. 8BA Hiller, Herbert. 8EB Munsell, Robert S. 8AQD Dilworth, John G. 8BB Howes, Stanley L. 8ED Carver, Alfred J.	840.	Ela, Willard C.	0.0.4	manson, rumuna ri.	8EA	Mack, Clifford J.
8AQD   Dilworth, John G.   8BB   Howes, Stanley L.   8ED   Carver, Alfred J.	8AQA	King, William R.	8BA	Hiller, Herbert.	8EB	Munsell, Robert S.
	8AQD	Dilworth, John G.	1 8BB	Howes, Stanley L.	8ED	Carver, Alfred J.

#### EIGHTH DISTRICT—Continued.

# ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
8EE	Selden, James M., ir.	8HA	Birkel, Lawrence J.	8JY	Chamberlain, Oscar
SEE SEF	Selden, James M., jr. Dorst, Edward L.	8HB	Phillips, Maynard W.	ļ.	A.
8EG	Gebhard, Louis A. Williams, Claude.	8HC	Phillips, Maynard W. Johnston, S. Paul.	8JZ	Manning, A. J.
8EH	Williams, Claude.	8HD	Myers, Homer. Grotticelli, Emil. Weemhoff, S. J. Schardt, Carl M.		l .
8EI	Grav. Clarence N. 1	8HE	Grotticelli, Emil.	8KA	Ankerman, Roy E.
8EJ	Watson, Samuel C. Kumpf, Elmer H.	8HF	Weemhoff, S. J.	8KB	Core, Eugene D.
8EK	Kumpi, Elmer H.	8HG	Schardt, Carl M.	8KC	Gammon, Joseph.
8EL 8EM	Langenbach, Leo.	8HH	Schaming, John P.	8KD	Benjamin, Carlisle.
Sr W	Wilkinson, Howard	8HI 8HJ	Mc(racken, Harold J.	8KF	Beck, Frank G. Leffler, Ralph H. Angel, Jay L. Brockway, Earl H. Devaney, Richard G. Smith, Raymond. Guest, Wesley T. Odenkirk, Russell. Combs, Frayne. Fuss, Chester. Fisher, Earl U.
8EN	Myers, G. E.	8HK	Terry, James E., II. Spiller, Archibald G. Blake, F. D.	8KG 8KH	Angel Toy I.
8EO	Kinney, Russell.	8HL	Blake F D	8KI	Brockway Earl H
8EO 8EP	I Hornbeck, John.	8HM	Human, Edward J. L.	8KK	Devaney, Richard G.
8EQ	Weekman, Frank L.	8HN	Schlegel, Raymond G.	8KL. 8KM	Smith, Raymond.
	Weekman, Frank L. and Vern W. Elias, Louis W. Aber, Ernest M., jr.	8HO	Holt, George W. Moershielder, Herbert	8KM	Guest, Wesley T.
8ER	Elias, Louis W.	8HP	Moershielder, Herbert	1 8KN	Odenkirk, Russell.
8ES	Aber, Ernest M., jr.		L	8KO	Combs, Frayne.
8ET	Dieterica, Auster.	8HQ	Poux, Noel J.	8KP 8KQ 8KR	Fuss, Chester.
8EU 8EV	Kinne, Laurance W. Mason, Carl D.	8HR	Foster, Clarence M. Berry, L. Mack Petz, Joseph.	OL Q	Fisher, Earl U. Hills, Virgil A. and
8EW	Current, Warren J.	8HS 8HT	Petz Joseph	OKI	Harold G.
SE X	Henlein Carl A	8HU	Faroo, Glenn.	8KS	Newton, Archibald E.
8EX 8EY	Weaver, J. Marshall.	8HV	Weller, Alvin.	8KT	Williamson, Warren,
8EZ	Henlein, Carl A. Weaver, J. Marshall. Mitchell, William E.	8HV 8HW	Strunk, William O.	i	jr.
•		8HY	Weller, Alvin. Strunk, William O. Kuehner, Roland.	8KU	Cookman, Murray R
8FA	Fender, Clinton H.	8HZ	Fraser, John W.	8KV	Schramm, Joseph H.
8FB	Ulsh, Chester.			8KW	Kohler, Harry.
8FC	Holden, Ira S. Walker, Carl. Finch, Brent S.	8IA	Griffin, John F. Mielke, Carl E.	8KU 8KV 8KW 8KX 8KX	Cuff, Harold C.
8FD 8FE	Walker, Carl.	8IB 8IC	Mielke, Carl E.	8KZ	Thomas, Earl R. Snyder, Lawrence L.
8FF	Boker Boumond S	8ID	Hoover, Paul L. Norris, George H.	OK.	Buyder, Lawrence L.
8FG	Baker, Raymond, S. Coleman, John B. Burger, Richard W.	8IF	Schellenbach Donald	8LA	Lindsay, Percy H.
8FI	Burger, Richard W.	8ÎG	Schellenbach, Donald Sternfield, Charles B.	8LB	Lindsay, Percy H. Palmer, Roland F. Curtiss, Glenn W., jr
8FJ	Clausing, Leroy M. E.	8IH	Ross, Donald H.	8LC	Curtiss, Glenn W., jr
8FL	Hudson, Albert N.	8II	Steim, L. H.	8LD	Rice, H. D.
8FM	Daugherty, Robert J.	8IJ	Diedrich, Paul E.	8LE	Scott, Hoyt S.
8FN	Wellington, Vernon	8IK	Diedrich, Paul E. McDowell, M. Fay. Williams, Burton P.	8LF	Rice, H. D. Scott, Hoyt S. Loebs, George. Sibert, Richard E. Stauft, Jacob L. Hill Dormond S.
•	D	8IL	Williams, Burton P.	8LG	Stoutt Josep J
8FO	Snyder, Norman G.	8IM	Collins, Benj. F.	8LH	Hill, Dormand S.
8FP	Esslinger, Elwin.	8IN 8IO	Garrity William D	8LI 8LJ	Linxweiler, Carl J.
8FQ 8FR	Phelps, Raymond W. Briggs, Fred.	8IP	Ranger, Arthur. Garrity, William D. Trotter, Robert J. Electro-Set Company,	8LL	Schwanecamp, Ray-
8FS	Donohue, Daniel, jr.	8ÎQ	Electro-Set Company.		mond.
8FT	Spargo, James A.		T'ne.	8LM	MacLaughlin, Don-
8FU	Blattner, Emil H.	8IR	Miller, Arthur P. Munch, Ernest A. and		ald.
erv.	Blattner, Emil H. Francis, Jesse J. Banes, Charles C. A.	8IS	Munch, Ernest A. and	8LN	Butler, Harry F.
8FW 8FX 8FY	Banes, Charles C. A.	07.00	Albert A.	8LO	Nabring, Franklin.
8FX	Thomas, Norman.	8IT	Feten Flord W	8LP 8LQ	Dunlan Orrin F ir
8FY 8FZ	Prince, Harmon.	8IU 8IV	Albert A. Zelenka, Stanley. Eaton, Floyd W. Fox, John F.	8LR	Nabring, Franklin. Bly, Ralph. Dunlap, Orrin E., jr. Magdeburg, Morris R. Rawson, Myron A.
014	Bennett, Edward J.	8IW	Green, John B.	8LS	Rawson, Myron A
8GA	Burr, Gordon	8IX	Dencer, John.	8LT	LODD' BRAILIEL.
8GB	Burr, Gordon. Hill Top Y. M. C. A.	8IX 8IY	Dencer, John. Bidwell, Paul.	8LV 8LX	Kromme, Frank.
8GC	Wilson, Albert S. Brinker, William N. Terbrack, John H.	8IZ	Steinman, Dwight H.	8LX	Kromme, Frank. Ilgenfritz, James I. E.
8GD	Brinker, William N.		1	8LY	Rose, Herman. Hess, Elmer.
8GE	Terbrack, John H.	8JA	Gunn, Ross.	8LZ	Hess, Eimer.
8GF	McCowan, Jack.	8JB	Beare, George L. Wing, Willis K. Daniels, Le Roy.	8MB	Maron Horay I
8G G	Edwards, Maynard	8JD 8JE	Daniele Le Pou	8MB 8MC	Holmes Charles A
8GH	W. Weever Floyd H	8JF	Daniels, Le Roy. Moon, Orville. Lord, Harry R. Nichols, Raymond D. H.	8MD	Maxon, Harry L. Holmes, Charles A. Hall, Eldred R.
8GI	Weaver, Floyd H. Wahl, Edward C.	8JG	Lord, Harry R.	8ME	Preece, Richard, ir.
8GJ	Piper, Floyd B.	SJH	Nichols, Raymond	8MF	Preece, Richard, jr. Robie, Milo H. Fish, J. Mulford.
8GK	Tomlinson, George E.		D. H.	8MG	Fish, J. Mulford.
8GL	Tomlinson, George E. Konrad, Henry.	8JI	Maddock, Lewis D.	8MH	Bushnell, Clarence E.
8G M	Root, Leland B.	8JJ	Weber, Walter B.	8MI	Bushnell, Clarence E. Manning, Howard H. Sherman, Fred.
8GN	Honningen Alen F	8JK	Maddock, Lewis D. Weber, Walter B. Baer, Earle E. Raring, William. Westfall, Earl J.	8MJ	snerman, Fred.
8GO 8GP	Kohnitz, Harvey F.	8JL	Karing, William.	8MK	Vonderhaar, Elliott. Berman, Isidore A.
8GP	swanson, Oscar.	8JM etn	westian, Earl J.	8ML	LAVY Irving D
8GQ 8GR	Kohnitz, Harvey F. Swanson, Oscar. Horn, Herbert E. Long, Charles A. Kueale, Charles K. Hoover, Raymond. Loehr, George R. Kleber, Lockson O.	8JN 8JP	Arthurs, Biddle, jr. Becker, Freeman A. Y. M. C. A. Sherrill, Alvan C.	8MM 8MN	Levy, Irving R. Knoll, Floyd A.
8GR 8G8	Kneele Cherles K	$\tilde{s}$	Y. M. C. A	8MO	Macgregor, James E.
8GT	Hoover, Raymond	8JŘ	Sherrill, Alvan C.	8MP	Macgregor, James E. Neupert, Robert E.
20 t	Loehr, George R.	8JT	Williams, Raymond.	8MQ	Dun, Cuthbert.
8G U	Vlober Toolson O	8JU	Williams, Raymond. McCann, Charles S.	8MR	Livinggood, Hubert
8G U 8G V					
8GV		8JV	Kreighbaum, Cyril.		
	Spencer, J. Edmund. Sheerin, Conway. Birkel, Lawrence J.	8JV 8JW 8JX	Kreighbaum, Cyril. Anderson, Joseph. MacCandless, Lyon H.	8MS 8MT	Ritchey, Ole B. Wendeln, Bernard O.

# EIGHTH DISTRICT—Continued.

# ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
exert.	Water Martin I	8PW	Warran Frank M	8SU	Washwath Camus)
8MU	Corson William H	8PW	Weaver, Frank M.	8SV	Woodworth, Samuel.
8MV	Carson, William H.		Cook, Vernor.	85 7	Bratton, Harry B. Eames, William F.
8MW	Coolet, Louis, jr.	8PZ	Guy, Fred E.	8SW	Vandamakan Marin
8MX 8MY	Cooke, Lovell.	00.4	n n	88 X 88 Y	Vanderveken, Marix.
8MY 8MZ	Watson, Martin L. Carson, William H. Follet, Louis, jr. Cooke, Lovell. Fisher, Harold W. Goodrich, Harry.	8QA	Struchen, Raymond	88 I 88 Z	Maynard, Reginald. Tobin, W. A.
8NA		8QB	Haderer, John. Lucas, W. Gerald.	8TA	Burron Johnny I
ONB	Waterman, Fred W. Frederick, Paul E.	8QC	Lucas, w. Geraid.	8TB	Burson, Johnny I. Handler, Eugene.
8NB 8NC	French, Samuel W.	8QD	Leonhardt, Carl. Barnhart, Walter. Kirchner, Charles. Lewis, Walter E. Kelly, Edward O.	8TC	Wightman, E. Rus-
8ND	McCorty Alicon	8QE	Barmart, Waiter.	810	sell.
8NE	McCarty, Alison. Mosteller, Floyd. House, Elra E.	8QF	Kirchner, Charles.	8 <b>T</b> D	McMillin, Howard F.
8NF	House Elra E	8QG	Valley Edward O	8TE	Shafer Andrew I
8NG	Arenson William	8QH	Keny, Edward U.	8TF	Shafer, Andrew L. Welch, Thomas E.
8NH	Arenson, William. Candler, Charles and	8Qi	Meeniry, Ciniora C.	8TG	Maighan James C
01111	Emma.	8QK	Const. Venry W.	8TH	Meighán, James C. Gallo, Tony.
8NI	Zimmerman, Fred-	8QL	Yorey, Harry E.	šŤÎ	Newbold, James L.
0212		OUM	Milyo, Stephen.	8TĴ	Rich, Martin.
8NJ	erick C., jr. Crumbie, Goodwin B.	8QN 8QO 8QP	McEniry, Clifford U. Gould, Henry W. Corey, Harry E. Milyo, Stephen. Mann, Rolland.	8TK	Jefferys, Paul.
SNK	Hunt. Barton L.	800	Donall Balah C	8TL	Dowding Sidney
8NJ 8NK 8NL	Appel, Floyd	801	Smith, Grand. Smith, Grant A. Powell, Ralph C. Kampie Norbert I	8TM	Weber, Walter B
8NM	Hunt, Barton L. Appel, Floyd. Keen, William L.	8QQ	Creation Coorge	8TN	Dowding, Sidney. Weber, Walter B. Fla Havhan, Harry E.
RNN	Chester, Allan.	8QR	Kampie, Norbert J. Grostick, George E. McCaig, William J.	8TO	Stotter, Herbert J. Nealon, William A. Brooks, Clarence H. Yaeger, Henry. Eppley, Ervin W. Siagle, Vernon T. Leach, Gardner V.
8NO	Hansen, Torvald R.	8QS	Necessary, William J.	8TP	Nealon, William A.
8NO 8NP 8NQ 8NR	Chester, Allan. Hansen, Torvald R. Wright, J. Warren. McMunn, J. Homer.	8QT	Van Buren, Harold J.	8TQ 8TR	Brooks, Clarence H.
8NQ	McMunn, J. Homer.	8QU	Spindler, Raymond.	8TŘ	Yaeger, Henry.
8NR	Hare, Paul W.	8QV	Hogan, James E.	8 <b>TS</b>	Eppley, Ervin W.
8N.I.	Proffitt, J. B.	8Q₩	Potts, Charles G.	8TT	Slagle, Vernon T.
8NU	Barker, Gilroy. Sayles, Ralph H., jr.	8QX	Basinger, Roswell. Davis, Benton W.	8 <b>T</b> U	
8NV 8NW	Sayles, Ralph H., jr.	8QZ	Davis, Delicul W.	8TV	Wallace, L. Gordon. Richey, Joseph L. Anders, Harry R.
8NW	Hankin, John H. Weiser, Elmer P.	8RA	Klager Occar C	8TW	Richey, Joseph L.
8NX	Weiser, Elmer P.	8RB	Klager, Oscar C. Leach, J. Gardner.	8TX 8TY	Anders, Harry R.
8NY	Brown, Fred C.	8RC	Weil, Norman C.	8TY	Ehrhardt, Roy C.
8NZ	Simcox, Paul C.	8RD	Burr, Roy C.	8TZ	Beasley, Ira E.
		8RE	Weeks, Stuart R.		
8OA	Worbass, Raymond	8RG	Copeland, Arthur.	8UA	Foncanon, H. Knight. Chadde, Walter F. Brown, Kenneth W.
-07	K.	8RH	Locke Carl M	8UC	Chadde, Walter F.
8OB	Waldrip, Laurence H.	8RJ	Locke, Carl M. Irvine, Robert P.	8UD	Brown, Kenneth W.
8OE	Smith, Verne E.	8RK	Dalrymple, Clarence.	8UE	
80G 80H	Hinton, Don. Harter, Raymond.	8RL	Alexander, Frank.	8UF 8UG	Wing, Willis K.
SOJ	Furlang Margia I	8RN	Alexander, Frank. Altman, Allen.	8UH	Wiley Vielet A
80K	Furlong, Marcie J. Scheib, Joseph F. Stern, Fred W.	8RO	Gwinner, Frederick	8UI	Wing, Willis K. Moore, Chester. Wiley, Violet A. Lester, William G.
8OL	Stern Fred W		III.	8UJ	Boardman, Thomas
80M	Balsley, James I.	8RP	Sutherland, Arthur	803	H.
80N	Ilgenfritz Lester M.		_E., jr.	SUK	Egan, James.
800	Ilgenfritz, Lester M. Hummel, Richard O.	8RQ	Wescott, A. F.	8U K 8U L	Mitchell Phillip
8OP	Reynolds, Charles L.	8RR	Hull, Earl C.	8UM	Flehr, Paul D. MacPherson, William
80Q	Cross, Blakely E.	8RS	Alger, Allan E. Toy, Miles N.	8UN	MacPherson, William
8OR	Mason, Norman P.	8RT	Toy, Miles N.		
8OT	Pancost, Maurice H.	8RU	Poad, Edwin H.	8UO	Jones, D. Walter. Lathrope, L. Stuart. Leary, Robert. Hott, Loewy. Hancock, H. W.
SOU	Boyer, Harry. Wahl, Arthur F. and Wilburt C.	8RV	Marshall, Frank J.	8UP	Lathrope, L. Stuart.
80V	Wahl, Arthur F. and	8RW	i Schmidie, Claude.	8UQ 8UR	Leary, Robert.
	Wilburt C.	8R X 8R Y	Ryan, Theodore W. Goetz, Carl P.	8UR	Hott, Loewy
80W	Mitchell, Edward H.	8K Y	Goetz, Cari P.	8US	Hancock, H. W.
80X 80Y	Mitchell, Edward H. Dreux, Alexander J.	00.4	Wood Domer U	8UT 8UU	Hirsch, Leo. Schmidtz, George. Marshall, Ronald A.
80Y	Peck, George W. Staud, Cyril J.	8SA	Wood, Dewey H.	8UU	Schmidtz, George.
8OZ	Staud, Cyril J.	8SB 8SC	Evans, George M.	8UV	marshall, Ronald A.
070	3600- 4-0-37	8SD	Marshall, Leonard.	8UW	
8PA	Miller, Arthur N. Case, Theodore J.	8SE	Vickery William I	8UX 8UY	Sieeman, Walter R.
8PB	Case, Theodore	8SF	Johnston, Clarence N. Vickery, William J. Fowler, Robert J.	80 1	Sleeman, Walter R. Adams, Lucius O.
8PC 8PD	Kersting, Ferdinand. Krause, Karl A. Fisher, George C.	88G	Pesek, Myron R.	8UZ	Moore, John B.
SPE .	Krause, Kari A.	88H	Spotts Ralph T	8VA	Page Honey A
ODE .	Malbin Samuel	88I	Spotts, Ralph T. Beach, Walter R.	OV A	Pearce, Henry A.
8PF	Ebriols W F	8SJ		NVC	Brown Arthur D
8PJ	Malbin, Samuel. Ehrick, W. F. Gamble, Frederick D.	88K	Ottney, James N. Woodcock W. D.	8VB 8VC 8VD	Righle I F
8PK 8PL	Fakal John F	8SL	Woodcock, W. D. Cocklin, Gilbert W.	8VE	Trombley, Clarence E. Brown, Arthur B. Riehle, J. F. Siedle, William R. Case, J. Gifford.
8PL 8PN	Eckel, John F. See, Chester.	8SM	Coleman, H. Burr.	8VF	Cose I Gifford
8PO	Carter Devid O	88N	Glatzel, Earle D.	8VG	Chartener Rainh D
8PP	Carter, David G. Wier, Edwin.	880	Preston Menzo D	8VH	Chartener, Ralph R. Googin, Nicholas L.,
8PQ	Show Euroile I	88 P	Preston, Menzo D. Reid, Thomas A.	3 T.	ie and a rection in the
8PR	Shaw, Eurcile L.	88Q	Clarke, John H.	8VI	jr. Case, Harlow.
8PT	Stiveson, Andrew. Hornung, Romeo W. Jones, Winferd E.	88R	Mueller, Henry C.	8VJ	Umbarger, Harold N. Willard, Charles A. Edick, Leonard J.
0.7.7	Iones Winford F	888	Mueller, Henry C. Wurtz, Francis L.	8VK	Willard, Charles A.
8PU	Jackson, The C. F. Co.			8VL	

#### EIGHTH DISTRICT-Continued.

#### ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
SVM SVN SVO SVP SVQ SVR SVR SVT SVU SVV SVV SVY SVY	Wheat, Henry A., jr. Zornow, Harry. Ackerman, John T., jr. Ball, Alfred. Ziska, Alfred. Calvert, George C. Buck, E. Harold. Weaver, Henry C. Kane, William C., jr. Zeigler, Harry W. Stevens, Allen C. Fraser, William T. Caplan, Zola.	8VZ 8WA 8WB 8WC 8WE 8WF 8WG 8WH 8WH 8WI 8WJ 8WK 8WL	Burchard, William K. Griffin, Jesse. Herrington, Fred. Allyn, William P. Fox, Edmund H. Hickler, Walter. Judd, Max A. Densmore, U. Harry. McCullough, C. Hax. Gillmore, Willard F. Stelzer, James G. Weiser, Perry W. O'Leary, Hilary.	8WM 8WN 8WO 8WP 8WP 8WR 8WT 8WV 8WV 8WV 8WW 8WY 8WX	Slocum, Charles. Yerigan, George S. Bush, Richard A. Bidwell, Paul. Poysell, Robert E. Carter, David G. Harber, Elwood F. Young, L. Clifford. Corts, R. E. Barnes, Orton S. Rodd, Herbert C. Hardesty, Howard P. Brown, Ralph M.

#### NINTH DISTRICT.

[Headquarters: Customhouse, Chicago, Ill. The ninth district comprises the States of Indiana, Illinois, Wisconsin, Michigan (Upper Peninsula), Minnesota, Kentucky, Missouri, Kansas, Colorado, Iowa, Nebraska, South Dakota, and North Dakota.]

#### ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power.
			Kw.
9CK	Abel, Wilson L	224 South St., Waterloo, Iowa.	0. 5
9NH	Abercrombie, Julius B	2617 Faraon St., St. Joseph, Mo	1. (
9EX	Adolfson, George S	5229 Colorado St., Duluth, Minn	1.(
9DI	Ahrensield, William H	200 N. Prospect Ave., Park Ridge, Ill	
9QD	Albach, Henry, jr	618 W. 4th St., Lawrence, Kans	
9FV	Aldrich, Clinton P	6405 Emerald Ave., Chicago, Ill.	
9ACI	Allen, George M	435 Lane St., Topeka, Kans	
9]]	Alvested, Clarence M	819 13th Ave., S., Minneapolis, Minn	
9VU	Allman, John C	Crown Point, Ind	
9TW	Anderson, Axel V	Crown Point, Ind. 212 N. Florida St., Laurium, Mich.	
9HZ	Anderson, Ivan H	1711 11th Ave. S., Minneapolis, Minn	
9KM	Anderson, Oscar L	11815 State St., Chicago, Ill	
9MP	Anderson, Paul D	Lamoni, Iowa. 3614 Rebecca St., St. Louis, Mo.	1.
9SN	Anderson, Virgil	3614 Repecca St., St. Louis, Mo	
9MB 9OE	Andreas, Gerald T	Bayfield, Wis	
9HA	Andreen, Earl H	1204 Belknap St., Superior, Wis Boulder, Colo	
9AJA	Argabrite, George A	Boulder, Colo	259
9AJA 9AEP	Avery, Norman K	307 Bigelow Ave., Peoria, Ill.	
9BT	Baldwin, Edward F	623 Crawford Ave., Dixon, Ill.	
9RD	Bailey, Frank M.	525 Kenilworth Ct., Clinton, Iowa.	1.
9QI	Baldwin, Harry E	609 S. 18th St., Omaha, Nebr.	1.
9QL	Baldwin, John G	Hope, N. Dak	1.
9ABR	Baker, Warren C	Hope, N. Dak 38 E. Madison St., Tipton, Ind.	-
9EM	Ball, George W	6601 Olmsted Ave., Chicago, Ill	1.
9DS	Ballantyne, Elmer	Hobart, Ind	
9AGD	Banks, Archie E.	R. F. D. No. 2, Delmar, Iowa	
9AIS	Barber, Orville F.	975 W. Packard St., Decatur, Ill.	
9AGW	Barnett, Forrest	975 W. Packard St., Decatur, Ill. 2015 Western Ave., Mattoon, Ill.	
9EJ	Barnett, Lawrence T	684 Greenleaf Ave., Glencoe, Ill	
9WY	Barnickol, Carl R	2317 Milwaukee Ave., Chicago, III	
9AGP	Barrett, Paul G	3150 Central Ave., Indianapolis, Ind.	2000
9OJ	Barry, Daniel	310 W. Grand Ave., Springfield, Ill	1
9AAR	Barton, Harold D	20 W. 26th St., Indianapolis, Ind	
9ADL	Bates, Clarence	2015 Wells St., Milwaukee, Wis	1.
9VY	Bauer, George D	2133 Weisser Park Ave., Fort Wayne, Ind	1.
$9\mathrm{HR}$	Baulch, Ernest L	509 Eddings St., Fulton, Ky	Visitive.
9JE	Baumer, Harry W	5036 Kenmore Ave., Chicago, Ill.	. 1.
9AGX	Bean, Mason	521 E. High St., Jefferson City, Mo	-
9DJ	Beasley, William A	1517 Western Ave., Topeka, Kans	
9AFW	Bechtold, Joe and Fred V	North Manchester, Ind. 427 Greenwood Ave., Chicago, Ill.	
9AGS	Becker, Paul M	442/ Greenwood Ave., Unicago, Ill	
9CL	Beech, Guy L	Claringa, 10wa	
9VI 9CQ	Beesley, Bernard J	147 Montezuma St., Houghton, Mich	
200	Dennier, William	1335 S. Kolin Ave., Chicago, Ill	-

#### NINTH DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Kw.
9QT 9UX	Beighley, Emmet R	107 N. 13th St., Fargo, N. Dak 410 S. 7th St., Oskaloosa, Iowa	0. 8
	Bell, Fayett	410 S. 7th St., Oskaloosa, Iowa	
9ML	Bement, David L		1.(
9KS	Bennett, Harold Bennett, Herbert P. Benson, Lester A.	Clarinda, Iowa	1.0
9VB 9VP	Bennett, Herbert P	4202 N. Winchester Ave., Chicago, Ill	1. (
9VP 9PG	Benson, Lester A	2706 Stoddard St., St. Louis, Mo	1.0
9PG 9HE	Bergherm, Worth D. Bergvall, Royal C. and Wesley E. Bierbach, Werner. Bitner, Robert E. Black, Harry N. Black, Max I. Blake, Charles R. Blasier, Herbert, jr. Blatterman, Headlee	Clarinda, Iowa 4202 N. Winchester Ave., Chicago, Ill 2706 Stoddard St., St. Louis, Mo. 517 N. 3d St., Fargo, N. Dak Stephenson, Wis	1.0
9WL	Bierbach Werner	655 S. Delaware Ave., Milwankee, Wis	
OVD	Bitner, Robert E	655 S. Delaware Ave., Milwaukee, Wis	:
9WQ	Black, Harry N	Independence, Iowa. 830 W. 3d Ave., Mitchell, S. Dak. 5821 Page Ave., St. Louis, Mo. Williamsburg, Iowa. 6172 Westminister Pl., St. Louis, Mo.	:
9JY	Black, Max I	830 W. 3d Ave., Mitchell, S. Dak	
9AEH	Blake, Charles R	5821 Page Ave., St. Louis, Mo	1.0
9AAU	Blasier, Herbert, jr	Williamsburg, Iowa	1.0
9DH	Blatterman, Headlee	6172 Westminister Pl., St. Louis, Mo	
9AIC	Bliss, Sidney H	120 Jackman St., Janesville, Wis. 11165 Esmond St., Morgan Park, Ill Crete, Nebr. 4105 Campbell St., Kansas City, Mo.	
9UQ 9WZ	Blood, Lester C	Crote Nobr	1.
9AFT	Dlum Sidney I	4105 Campball St. Vancor City, Mo	1.0
9VK	Blum, Sidney J Boardman, Horace C. and Clarence E.	372 Park St., Kenosha, Wis.	1.0
9HH	Bohac, Leonard	402 W. 1st Ave., Cedar Rapids, Iowa	1.0
9RC	Bohnstengel, George. Bolin, Ray E. Bonney, Harold H. Bonson, George W.	Thornton, III. 5505 Bartmer Ave., St. Louis, Mo.	1.
9PF	Bolin, Ray E	5505 Bartmer Ave., St. Louis, Mo	
9SZ	Bonney, Harold H	Louisville, Ill	
9TM	Bonson, George W	287 East St., Dubuque, Iowa	1.0
9AGA	Elmer.	Louisville, Ill 287 East St., Dubuque, Iowa. 1322 Lincoln St., Racine, Wis.	
9NJ	Brabender, Carl W	907 Linwood Ave., Evansville, Ind	1. (
9CT	Brailsford, Harry D	323 W. Broadway, Louisville, Ky	
9ET	Brailsford, Harry D Bramhall, William Brandt, Erwin H Brattland, Armond D Brauch, Nicholas	323 W. Broadway, Louisville, Ky 234 Mayfield Ave., Chicago, Ill 2314 Vliet St., Milwaukee, Wis	
9WE 9EA	Brandt, Erwin H	Ada Minn	1.0
9CP	Brattland, Armond D	515 Court St. La Mara Louis	1.1
9SA	Brauch, Nicholas Brennan, Joseph D Brewster, Vernon H Briscoe, Bertram O Briggs, Walter C Brigtham, Neal D Brittin, Frank L Brockschmidt, Wesley E Brodnax, Lewis M Brooks, Ralph Broughton, William G Brown, Clarence L Bruestle, Walter F, ir	2314 Vliet St., Milwaukee, Wis. Ada, Minn. 515 Court St., Le Mars, Iowa. 501 Alpine St., Dubuque, Iowa. Crystal Lake, Ill. 848 La Salle St., Chicago, Ill. 4525 Dupont Ave. S., Minneapolis, Minn. 330 N. Rural St., Indianapolis, Ind. 1149 W. Edwards St., Springfield, Ill. 173 Foote Ave., Bellevue, Ky.	1.0
9AEN	Browster Vernon H	Crystal Lake III	1.1
9AGU	Briscoe Bertram O	848 La Salle St. Chicago III	
9KJ	Briggs, Walter C	4525 Dupont Ave. S., Minneapolis, Minn	
9FQ	Brigham, Neal D	330 N. Rural St., Indianapolis, Ind	:
9AGN	Brittin, Frank L	1149 W. Edwards St., Springfield, Ill	
9QH	Brockschmidt, Wesley E	173 Foote Ave., Bellevue, Ky	
9AGY	Brodnax, Lewis M	3526 Walnut St., Kansas City, Mo	
9LD	Brooks, Ralph	27 156th Pl., West Hammond, Ill	1.0
9SD	Broughton, William G	213 S. Court St., Crown Point, Ind	1.0
9BU	Brown, Clarence L	1022 E. Tabor St., Indianapolis, Ind	
9AAI	Bruestle, Walter F., jr	22 Sterett Ave., Covington, Ky	
9AHU	Buck, Donald N	5332 Kenmore Ave., Chicago, III	
9NP 9ADO	Bullook Morlin and Gorald	2600 Cladstone Plyd Kenses City Mo	
90G	Bundy Howard E	1007 S Calletin St Marion Obio	
9QG 9ABE	Button, Bert A	2850 R St., Lincoln, Nebr.	1.0
9HI	Buck, Donald N.  Buckley, Harold J.  Bullock, Merlin and Gerald.  Bundy, Howard E.  Button, Bert A.  Burchnell, George M.	1149 W. Edwards St., Springfield, Ill. 173 Foote Ave., Bellevue, Ky 3526 Walnut St., Kansas City, Mo. 27 156th Pl., West Hammond, Ill. 213 S. Court St., Crown Point, Ind. 1022 E. Tabor St., Indianapolis, Ind. 22 Sterett Ave., Covington, Ky. 5332 Kenmore Ave., Chicago, Ill. 1266 Wrightwood Ave., Chicago, Ill. 3600 Gladstone Blvd., Kansas City, Mo. 1007 S. Gallatin St., Marion, Ohio 2850 R St., Lincoln, Nebr. Monroeville, Ind. 44 Lake Geneva Rd., Salem, Wis.	1.
9SH	Burdick, Roy E.	Monroeville, Ind.  44 Lake Geneva Rd., Salem, Wis.  865 S. Maffit St., Decatur, Ill.	
9KN	Burdick, Roy E Burg, Harold E	00 F D 3F 00 4 C4 D - 4 - T1	4
9ED 9WR	Burgess, Charles M. Burghardt, R. Douglas. Burgy, Charles A., jr.	805 S. Maint St., Decatur, III. 5023 N. 24th St., Omaha, Nebr. 693 Willow St., Winnetka, III. 1945 N. 7th St., Sheboygan, Wis. 335 W. 9th St., Newport, Ky. 2029 5th St., Boulder, Colo. 911 W. Nevada St., Urbana, III.	
9WR	Burghardt, R. Douglas	5023 N. 24th St., Omaha, Nebr	1.
9KU	Burgy, Charles A., jr	693 Willow St., Winnetka, Ill	
9RW	Burhop, Harold	1945 N. 7th St., Sheboygan, Wis	1.
WUW	Burkart, Louis J., jr	335 W. 9th St., Newport, Ky	
9IQ 9AFS	Burr, Ralph H	2029 5th St., Boulder, Colo	1.
DAAG	Busey, Paul G	Wheeten III	1.
PAAG NW	Burhop, Harold Burkart, Louis J., jr Burr, Ralph H Busey, Paul G Butler, Leonard Caldwell Konneth B	Wheaton, Ill.  623 W. William St., Decatur, Ill.  1529 Pearl St., Sioux City, Iowa  4243 W. Congress St., Chicago, Ill.  810 E. North St., Indianapolis, Ind.	
AHW	Call Con P	1529 Pearl St. Siony City Town	1.
PAIA	Campbell, Albert	4243 W. Congress St., Chicago III	1.
AGF	Canary, Elmer B	810 E, North St., Indianapolis, Ind.	:
PAAC	Carlisle, Lloyd	716 N. Broadway, Crookston, Minn	1.
90W	Carnes, Theodore L	1116 N. Capitol Ave., Indianapolis, Ind.	1.
9LR	Carroll, William H	716 N. Broadway, Crookston, Minn 1116 N. Capitol Ave., Indianapolis, Ind. 6334 McPherson Ave., St. Louis, Mo	1.
9LR 8WR	Carter, David G	Grosse Pointe, Mich	
9PC	Campbell, Albert Campbell, Albert Canary, Elmer B Carlisle, Lloyd. Carnes, Theodore L Carroll, William H Carter, David G Carter, George W Carter, George W Case Henry W	Grosse Pointe, Mich. High School Bldg., Fort Wayne, Ind	1.
9WF	Carter, George W	804 Kinnaird Ave., Fort Wayne, Ind	
9GA 9LC 9PD	Case, Henry W Casey, John G Cassaday, Cecil E	Wheeler, Ill. 4945 Forrestville Ave., Chicago, Ill	

#### NINTH DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Pow
			Ku
$9\mathrm{NT}$ $9\mathrm{UL}$	Chapman, Richard C	1332 K St., Lincoln, Nebr. 526 West Drive, Indianapolis, Ind. 4854 Dorchester Ave., Chicago, Ill.	7.37
9UL	Cheyne, Thomas L	526 West Drive, Indianapolis, Ind	1300
90B	Church, Archibald, jr	4854 Dorchester Ave., Chicago, Ill	1
9ADY 9DP	Clark Payord II	Ellsworth, Wis	1.53
9ADH	Clark, Bayard H	Ellsworth, Wis. 205 Augusta Ave., De Kalb, III 3240 Alcott St., Denver, Colo. Indianapolis, Ind.	36
OVM	Clark Marian E	Indianapolis Ind	
9VM 9AFU	Clayton, Harold H. Clayton, Homer E. Cleaveland, Leroy A.	R. F. D. No. 5, Monroeville, Ind	
9GU	Clayton, Homer E.	680 Arch St. Indianapolis Ind	188
9NA	Cleaveland, Leroy A	374 Farwell Ave., Milwaukee, Wis	123
9GU 9NA 9WA	Coats, Roscoe J	820-824 S. Clinton, Fort Wayne, Ind	
9KG	Cornish, Clarence F	1138 Packard Ave., Fort Wayne, Ind	1330
9AAM 9CN	Clough, Kendall	2215 S. Royce St., Sioux City, Iowa	100
9CN	Cobb, Merle A	Geneva, Wis. 61 N. Gale St., Indianapolis, Ind. 810 Vernon Ave., Glencoe, Ill. Community House, Lincoln St., Winnetka, Ill.	-
9AEV	Coffman, Scott	61 N. Gale St., Indianapolis, Ind	Mid
9IF	Cole, Jiran D., jr	810 Vernon Ave., Glencoe, III	1.35
9AN 9GV	Color James A	2627 19th Ave. Minneapolis Minn	100
9 Cr V	Community House	Winnette III See Colo Tirch D in (04 N)	
9AIJ	Cleaveland, Leroy A. Coats, Roscoe J. Cornish, Clarence F. Clough, Kendall Cobb, Merle A. Coffman, Scott. Cole, Jirah D., jr. Coles, Jirah D., jr. Coles, James A. Community House Cook, George S.	1932 Pennsylvania Ave. S. Minneapolis Minn	
9SC	Cooper, Charles H	2126 Elliott St., Indianapolis, Ind.	1
9NO	Coquilette, Glenn E	117 Hutchins St., Woodstock, Ill.	
9ABD	Cooper, Charles H. Coquilette, Glenn E. Corwin, Willis. Cottreel, Gorham J. Cottreel, Gorham J.	117 E. McCarty St., Jefferson City, Mo	
9AGG	Cottreel, Gorham J	1628 Jersey St., Quincy, Ill	10
9UI	Cottrell, Hale T	1229 St. Ann St., Owensboro, Ky	100
9NF	Cottreel, Gornam J Cottrell, Hale T Cottrell, William R Coultas, Charles Crabb, Thomas G Craig, Richard A Cramer, Wilbur R Crawford, Robert N., jr Cronk, Seymour H Crowdus James A	1810 Vernon Ave., Glencoe, Ill. Community House, Lincoln St., Winnetka, Ill. 2637 12th Ave., Minneapolis, Minn. Winnetka, Ill. See Cole, Jirah D., jr. (9AN). 1932 Pennsylvania Ave., S., Minneapolis, Minn. 2126 Elliott St., Indianapolis, Ind. 117 Hutchins St., Woodstock, Ill. 117 E. McCarty St., Jefferson City, Mo. 1628 Jersey St., Quincy, Ill. 1229 St. Ann St., Owensboro, Ky Prairie City, Iowa. 50 Beach Ave., St. Louis, Mo. 1807 N. Meridian St., Indianapolis, Ind. 1813 S. 40th St., Omaha, Nebr. 3829 Vincennes Ave., Chicago, Ill. Stafford, Kans.	
90Q	Coultas, Charles	950 Beach Ave., St. Louis, Mo	1
9ABA	Crabb, Thomas G	5906 Cater Ave., St. Louis, Mo	102
9BI 9NG	Cramor Wilbur B	5120 S. 40th St. Omoho Nohr	190
9HL	Crawford Robert N ir	2820 Vincennes Ava Chicago III	133
9TE	Cronk Seymour H	Stafford, Kans	1
HN	Crowdus, James A		
9RX	Cummings, Murney	258 S. W. Main St., Kenosha, Wis.	1.37
9RX 9ACN	Curry, Wilfred N	Sweet Springs, Mo	
9GN	Curmings, Murney. Curry, Wilfred N. Curtis, Charles D. Curtis, David S., jr.	Pembina, N. Dak	
9AIV	Curtis, David S., jr	2400 Elisha Ave., Zion City, Ill	
9TO		109 W. 2d St., Sioux City, Iowa	138
9SF	Daugherty, Hugh D. David Ranken, jr., School of Mechanical Trades.	2335 Belliontaine St., Indianapolis, Ind	100
	David Ranken, jr., School of	St. Louis, Mo. See under "T," The David Ranken,	
OFS .	Devideon James	500 Clorks St. Whiting Ind	12.00
9FS · 9AZ	Davidson James	6636 Normal Blyd Chicago III	133
9HM	Davidson, James. Davidson, James. Davis, Donald W. Davis, Herbert.	21 E. Caramillo Ave. Colorado Springs Colo	1
9AGQ	Davis, Herbert	6141 S. Kilbourne Ave., Chicago, Ill.	153
9EZ	Davis, Richard M	1065 Yuma St., Denver, Colo	1
9KZ	Davis, William R	1409 W. Edwards St., Springfield, Ill	
9AIY	Davis, Winfield	258 S. W. Main St., Kenosha, Wis.  Sweet Springs, Mo.  Pembina, N. Dak.  2400 Elisha Ave., Zion City, Ill.  109 W. 2d St., Sioux City, Iwa.  2335 Bellfontaine St., Indianapolis, Ind  St. Louis, Mo. See under "7," The David Ranken,  Jr., School of Mechanical Trades.  509 Clarke St., Whiting, Ind  6836 Normal Blvd., Chicago, Ill.  21 E. Caramillo Ave., Colorado Springs, Colo.  6141 S. Kilbourne Ave., Chicago, Ill.  1065 Yuma St., Denver, Colo.  1409 W. Edwards St., Springfield, Ill.  908 W. Stoughton St., Urbana, Ill.  209 Gray St., Indianapolis, Ind  6 S. Fountain St., Cape Girardeau, Mo.	1 5
980	Day, Harold E	209 Gray St., Indianapolis, Ind	10
9NN	Davis, Herbert. Davis, Richard M. Davis, William R. Davis, William R. Davy, Harold E. Deal, Harnol B. Dean, Carl W. Debus, George W. Degner, Le Roy. Deich, Dayton P. Del-Vecchio, Earl. Deming, Herschel Dennis, Eben R. Dickson, Ward Diehl, Grant, jr. Dier, Stephen. Diffenderler, Davis A. Dilley, Joseph.	6 S. Fountain St., Cape Girardeau, Mo. 3115 N. Capitol Ave., Indianapolis, Ind. 1910 Sunnyside Ave., Chicago, Ill. 394 24th Ave., Milwaukee, Wis.	
9EG	Dean, Carl W	3115 N. Capitol Ave., Indianapolis, Ind	
9RH	Degner Le Reg	204 24th Ave Milwankee Wie	115
9ACT 9DX 9OW 9ABN	Deich Dayton P	Limon Colo	
90W	Del-Vecchio, Earl	Limon, Colo.  S810 Alta Vista Ter., Chicago, Ill.  1545 Barth Ave., Indianapolis, Ind.  Hutchinson, Minn  Carrellton, Ill.	
9ABN	Deming, Herschel	1545 Barth Ave., Indianapolis, Ind	
91 W	Dennis, Eben R	Hutchinson, Minn	
9FG	Dickson, Ward	Carrollton, Ill.	1
9UD 9MS	Diehl, Grant, jr	699 27th St., Milwaukee, Wis	1
9MS	Dier, Stephen	1305 Court St., Le Mars, Iowa	-
9VS	Diffenderier, Davis A	2109 S. Harrison St., Fort Wayne, Ind	
90A	Dulley, Joseph	Collegaville Minn	-
9ACA 9AIW	Doole Howard	Adome Nobr	1
9AHK	Drummond, Ralph	Ogleshy III	
9ACG	Duncan, Wilbur H	1199 W. Wood St., Decatur III	
9FE	Dunklau, George P	4046 Congress St., Chicago, Ill	1
9AAP	Dunlap, Carroll M	High School, Manchester, Iowa	12
9BC	Dunlap, Carroll M	Manchester, Iowa	19
9AAO	Ebert, Arthur	3220 Potomác Ave., Chicago, Ill	
9AEI	Ebner, Emil E., jr	603 N. 10th St., Atchison, Kans	-
9DD	Ederer, Lothar A	6347 Kenmore Ave., Chicago, Ill	133
9UZ	Edwards, Austin N	99 E. 4th St., Covington, Ky	1
9AEZ	Diffenderfer, Davis A. Dilley, Joseph. Doerfler, Hilary. Doole, Howard. Drummond, Ralph. Duncan, Wilbur H. Dunklau, George P. Dunlap, Carroll M. Dunlap, Carroll M. Ebert, Arthur. Ebner, Emil E., jr. Edderer, Lothar A. Edwards, Austin N. Egloff, Edward and Martin. Ehling, Fritz M.	Carrollton, Ill. 699 27th St., Milwaukee, Wis. 1305 Court St., Le Mars, Iowa 2409 S. Harrison St., Fort Wayne, Ind. 1067 Ainslee St., Chicago, Ill. Collegeville, Minn. Adams, Nebr. Oglesby, Ill. 1199 W. Wood St., Decatur, Ill. 4046 Congress St., Chicago, Ill. High School, Manchester, Iowa Manchester, Iowa 3220 Potomac Ave., Chicago, Ill. 603 N. 10th St., Atchison, Kans. 6347 Kenmore Ave., Chicago, Ill. 99 E. 4th St., Covington, Ky 2729 W. Barry Ave., Chicago, Ill. 1438 E. 11th St., Indianapoits, Ind. 1818 19th St., Superior, Wis. Gillespie, Ill.	77
9LV 9PM 9VR	Ehling, Fritz M Eick, Ferdinand Eilers, Werner	1938 E. 11th St., Indianapolis, Ind	1

#### NINTH DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Power
TO.	83200		Kw.
9TD	Eisele, Edward J	1324 Rutledge St., Madison, Wis. 1733 N. Meridian St., Indianapolis, Ind. 615 N. Madison St., Marion, Ill. 664 48th St., Milwaukee, Wis. 1623 24th Ave., Moline, Ill.	1.
9DU	Elliott, Bryon K	1733 N. Meridian St., Indianapolis, Ind	1.
9BA	Elmore, Vírtus R Engel, Roman	615 N. Madison St., Marion, Ill	1.
9A GZ	Engel, Roman	664 48th St., Milwaukee, Wis	
9AIQ	Englund, Lawrence	1623 24th Ave., Moline, III. 627 W. Superior St., Fort Wayne, Ind. 225 Lafayette Ave., Racine, Wis. 1108 FIm St., Winnetka, III. 1619 S. Sth St., Minneapolis, Minn. 6632 Kimbark Ave., Chicago, III. 2325 Arapahoe St., Denver, Colo.	
9UM 9ADC	Erickson, Edward H Erickson, Einer A Erikson, Eben W Estling, David A Evans, Walter C Eyth, Hector G	925 Leferette Ave. Pecine Wis	
9JB	Erikson Fhan W	1108 Flm St Winnetka III	
9VO	Estling David A	1619 S 8th St. Minneapolis Minn	
9MZ	Evans, Walter C	6632 Kimbark Ave., Chicago, Ill.	1.
9GF	Eyth, Hector G	2325 Arapahoe St., Denver, Colo	
9DC	Fahrney, Clarence H Fawcett, Lester S Fawkes, Charles E	Polo, III. 206 3d Ave., S. W., Independence, Iowa. 503 Hill St., Dubuque, Iowa. 1440 W. High St., Davenport, Iowa.	
9AIF	Fawcett, Lester S	206 3d Ave., S. W., Independence, Iowa	1.
9FP	Fawkes, Charles E	503 Hill St., Dubuque, Iowa	
9ABT 9UE	Fedder, Herman Fels, Thomas W Fenner, Zell G	1440 W. High St., Davenport, 10wa	1.
9AGH	Fenner Zell C	22 F Washington St Colfax Iowa	1.
9WN	Ferdinand, Harry P	1315 School St., Rockford, Ill.	1.
9WN 9AIN	Ferguson, William B	108 N. 17th St., Richmond, Ind	
9AIO	Ferree, Frank H	434 E. 9th St., Alton, Ill	
9AGV	Ferner, Zeit G. Ferdinand, Harry P. Ferguson, William B. Ferree, Frank H. Fiedler, Herbert W. Findout, Frank	1440 W. High St., Davenport, Iowa 2105 John St., Fort Wayne, Ind 23 E. Washington St., Colfax, Iowa 1315 School St., Rockford, Ill. 108 N. 17th St., Richmond, Ind 434 E. 9th St., Alton, Ill. 1142 Diversey Parkway, Chicago, Ill. 1310 E. New York St., Indianapolis, Ind 525 Oakwood Ave., Webster Groves, Mo 339 3d Ave., W., Cedar Rapids, Iowa. 918 S. 7th St., Fargo, N. Dak. 743 W. 26th St., Chicago, Ill. 228 E. 5th St., Newport, Ky. 3521 1th Ave., S., Minneapolis, Minn. 925 Winchester St., Milwaukee, Wis. 231 Lincoln Ave., Crookston, Minn Adams, Nebr.	
9PI	Fiedler, Herbert W Finelout, Fred. Finlay, William J Finley, Cyrus P Fisher, Ralph D Flesvig, Henry Flynn, John H, jr Forbes, Henry C Foster, Edwin J Fox, Laurence C Francis, Lyle	1310 E. New York St., Indianapolis, Ind	1.
9JQ	Finlay, William J	525 Oakwood Ave., Webster Groves, Mo	1.
90M 9EN	Finley, Cyrus P	339 3d Ave., W., Cedar Rapids, 10wa.,	1.
9RI	Flosvig Henry	743 W 96th St. Chicago III	1.
9BN	Flynn, John H., ir	228 E. 5th St., Newport, Ky	1.
9KB	Forbes, Henry C	3532 11th Ave., S., Minneapolis, Minn	
9PK 9TF	Foster, Edwin J	925 Winchester St., Milwaukee, Wis	1.
9TF	Fox, Laurence C	231 Lincoln Ave., Crookston, Minn	1.
9AIW	Francis, Lyle Frank, George Franklin, Meurice W	Adams, Nebr. 1727 W. 2d St., Davenport, Iowa.	
9ACR	Frank, George	1727 W. 2d St., Davenport, Iowa	1.
9ADA 9EU	Franklin, Medice W	226 F Sutterfield St. Fort Wayne Ind	1.
9EK	Franklin, Meurice W Frech, Lester. French, Newell E Frenzel, Oscar F., jr. Friend, Earle M Fritz, Jack A. S Fruit, Lester Gabbert, Oscar F., jr. Galpin, John K. Gamble, Glen A	Adalis, Nebr. Sewar, Nebr. Sewar, Nebr. 336 E. Sutterfield St., Fort Wayne, Ind. 1722 Maple St., Racine, Wis. 1338 N. New Jersey St., Indianapolis, Ind. 4815 Vincennes Ave., Chicago, Ill. 2211 Salisbury St., St. Louis, Mo. 743 Lawndale Ave., South Bend, Ind. 911 Kentucky St., Michigan City, Ind. 2132 Broadway, Indianapolis, Ind. 4329 Brudette St., Omaha, Nebr. 811 18th St., Ashland, Ky. 810 E. 40th St., Kansas City, Mo. 504 W. Washington St., Champaign, Ill. 210 4th Ave., Peoria, Ill. 613 Arsenal St., St. Louis, Mo. 942 Superior St., Racine, Wis. 3151 Graceland Ave., Indianapolis, Ind. 403 Lexington St., Independence, Mo. Lanark, Ill.	1.
9ABS	Frenzel, Oscar F., ir.	1338 N. New Jersey St., Indianapolis, Ind	
9DL	Friend, Earle M	4815 Vincennes Ave., Chicago, Ill	
90 Y	Fritz, Jack A. S	2211 Salisbury St., St. Louis, Mo	
9TG 9AIX	Fruit, Lester	743 Lawndale Ave., South Bend, Ind	1.
9AIX	Gabbert, Oscar F., jr	911 Kentucky St., Michigan City, Ind	
9QX 9AGE	Camble Clan A	4200 Brudette St. Ornebe Nebr	1.
9SW	Common Fronk E	S11 18th St., Ashland, KV	1.
9AES	Garrett, Hallie C. Garrett, Sherman S. Garver, Norman D. Gates, Arthur R. Gates, George B.	810 E. 40th St., Kansas City, Mo.	1.
9WO	Garrett, Sherman S	504 W. Washington St., Champaign, Ill	1.
9AEB 9NV	Garver, Norman D	210 4th Ave., Peoria, Ill	
9NV	Gates, Arthur R	613 Arsenal St., St. Louis, Mo	
9AHA	Gates, George B	942 Superior St., Racine, Wis	
9VN 90K	Geiger, mans r	3151 Graceland Ave., Indianapolis, Ind	1.
9MK	Gerkey, Lewis K	Lanark, Ill	1.
9WD	Gioso Raymond C	New London, Iowa	1.
9JU	Gisseler, Herman. Glasgow, Roy S. Glavin, Roland E. Glavin, Roland E.	Lanark, Ill. New London, Iowa. 2828 Fletcher St., Chicago, Ill. 3966 Arsenal St., St. Louis, Mo. 748 Lawndale Ave., South Bend, Ind. High School, South Bend, Ind. 2006 Fulton Ave., Evansville, Ind. Shawnee, Kans. 703 Marion St., Boone, Iowa. 1500 Grand Ave., Racine, Wis. 310 Van Buren St., Joliet, Ill. 2316 Clybourn St., Chicago, Ill. Blooming Prairie, Minn. 1061 Mulberry St., Rockford, Ill. 2825 Irving Pk. Blvd., Chicago, Ill. 3033 Park Ave., Kansas City, Mo. 117 South St., Woodstock, Ill. Polo, Ind.	
9JN	Glasgow, Roy S	3966 Arsenal St., St. Louis, Mo	1.
9AHT	Glavin, Roland E	748 Lawndale Ave., South Bend, Ind	1.
9NM	Claichman Walter C	High School, South Bend, Ind	
9HT 9BZ	Gleichman, Walter C Goddard, C	Showned Kons	:
9ACS		703 Marion St., Boone, Iowa	1.
9JS	Goodnetter, Elmore F Goodnew, Frank E Goorisich, John A	1500 Grand Ave., Racine, Wis	
9AS	Goodnow, Frank E	310 Van Buren St., Joliet, Ill	1.
9KF	Goorisich, John A	2316 Clybourn St., Chicago, Ill.	
9PS 9RP	Gosha, DonaldGraf, Rudolph	Blooming Prairie, Minn	
9RP	Graf, Rudolph	1061 Mulberry St., Kocklord, III	1.
9VL 9MQ	Grafe, Harold	2022 Pork Ave. Konses City, Mo.	1.
9FT	Graham, Albert I	117 South St., Woodstock, Ill	1.
9FT 9UK	Graves, G. G. Graybill, Donald R	Polo, Ind	1.
9IC	Greanleaf, Sydine A	708 Clay St., Woodstock, Ill	-
9LY	Greene, Clark W	1113 Park Row, Lake Geneva, Wis	:
9ACD	Greanleaf, Sydine A Greene, Clark W Greene, John	Prairie du Chien, Wis	
9PQ 9ADB	Greenleaf, Burton B Greenwood, George W., jr Griffiths, Robert E	34 Walnut St., Savanna, Ill	
	Greenwood, George W., jr	1321 Western Ave., Topeka, Kans	
9JX 9TQ	Grings Fred W	441 Tacoma Ave Indianancia Ind	:
91Q 9AB 9VX	Groskonf William I.	117 SOUTH St., WOODSTOCK, III. 708 Clay St., WoodStock, III. 1113 Park Row, Lake Geneva, Wis. Prairie du Chien, Wis. 34 Walnut St., Savanna, III. 1321 Western Ave., Topeka, Kans. 4704 Fulton St., Chicago, III. 441 Tacoma Ave., Indianapolis, Ind. 4816 W. Berteau Ave., Chicago, III. Delmar, Iowa	:
OND	Grostopi, wantam D	TOLO 11. Delibau Avo., Cincago, III	1.

#### NINTH DISTRICT—Continued.

#### ALPHABETICALLY BY OWNERS OF STATIONS—Continued

Call signal.	Owner of station.	Location of station.	Power
			Kw.
9CH	Grosscup, Harry W Groth, William A Gruda, Edgar	3746 Giddings St., Chicago, Ill	0.
9A GO	Groth, William A	1534 W. Locust St., Davenport, Iowa	
9TU	Gruda, Edgar	329 25th Ave., Milwaukee, Wis	
9AJE	Gunderson, Clarence Gustafson, C. Hjalmar	3746 Giddings St., Chicago, Ill. 1534 W. Locust St., Davenport, Iowa. 329 25th Ave., Milwaukee, Wis. 1006 St. John St., Albert Lea, Minn. 630 Wallis Ave., Rockford, Ill. 214 Crawford St., Boone, Iowa. 355 Rellefontaine St. Indianapolis, Ind.	1.
9PX	Gustafson, C. Hjalmar	630 Wallis Ave., Rockford, Ill	1.
9JO	Gustafson, Gerald Guthrie, Edwin P. Hadley, J.	214 Crawford St., Boone, Iowa	1.
9RM	Guthrie, Edwin P	ord Tr. 1 . Gt. Till	
9HF 9DF	Hadley, J. Hagedorn, Gilbert H. Hageman, Edwin S. Haines, Thorvald L. Haitz, Fred, jr. Hall, Alfred H. Hall, Harlan R.	257 N. Pleasant St. Konocha Wis	
9ACU	Hageman Edwin S	Fllsworth Wis	
9MY	Haines Thorvald L	842 Main St., Racine, Wis	
9AEU	Haitz, Fred, ir	3901 Fourth Ave., Sioux City, Iowa	1
9AEO	Hall, Alfred H	4015 Alcott St., Denver, Colo	1.
9CF	Hall, Harlan R	23 Merriam Pl., St. Paul, Minn	-
9AV	Hamel, Walter H	1006 S. 14th St., Lafayette, Ind	1.
9UT 9TJ	Hamilton, Leo L	207 Front St., Harvard, Ill	1.
9TJ	Hancock, George T	R. F. D. No. 1, Fairfield, Nebr	1.
9PB	Hancock, Leverne	1209 13th St., Superior, Wis	
9CE	Hansen, Leiand H	2704 S. Davont Ave. Minneapolis Winn	1.
9AHE 9RF	Harmornias Paul E	730 Wisconsin Ave. Ook Pork III	
9AAY	Harris Frank M ir	920 N Harrison St. Topeka Kans	1
9AFO	Harris Harvey P	920 Burns St., Alton, III.	
9IZ	Harris, Ralph G	357 N. Pleasant St., Kenosna, Wis. Ellsworth, Wis.  842 Main St., Racine, Wis 3901 Fourth Ave., Sioux City, Iowa. 4015 Alcott St., Denver, Colo. 23 Merriam Pl., St. Paul, Mimm. 1006 S. 14th St., Lafayette, Ind. 207 Front St., Harvard, Ill R. F. D. No. 1, Fairfield, Nebr. 1209 13th St., Superior, Wis. 1123 Herrick Ave., Racine, Wis. 3704 S. Bryant Ave., Minneapolis, Minn. 3730 Wisconsin Ave., Oak Park, Ill. 920 N. Harrison St., Topeka, Kans. 920 Burns St., Alton, Ill. Gilman, Ill.	7 95
9LK	Hamiel, Walter H. Hamilton, Leo L. Hancock, George T. Hancock, Leverne. Hansen, Leland H. Harlin, Paige J. Harmegnies, Paul E. Harris, Frank M., jr. Harris, Ralph G. Harris, Ralph G. Harris, Charles Harry, Charles Harry, Charles	Gilman, Ill. 118 E. Pratt St., Indianapolis, Ind. Quincy and Douglas Sts., Houghton, Mich. 210 State St., Wauwatosa, Wis.	1.
9CJ 9ADT	Harry, Charles	Quincy and Douglas Sts., Houghton, Mich	1.
9ADT	Hartmann, Gilbert and Mar- tin.		
9KY	Hartwell Farcone H	R. F. D. No. 28, Sale, Wis	1.
OFI.	Hauck, George	218 Chestnut St., Newport, Ky	1.
9UV	Hayes, James E. S	220 W. 4th St., Duluth, Minn	
9UV 9CX 9DY	Hauck, George Hayes, James E. S Haynes, Roy Healy, Kent T Heck, Lawrence F	6939 S. May St., Chicago, Ill	1.
9DY	Healy, Kent T	849 Willow St., Winnetka, Ill	1.
9BF	Heck, Lawrence F	1239 Center St., Racine, Wis	1
9FR	Heckenkamp, Emile B Hect, Royal H	1500 E St., Belleville, III	1.
9ADQ 9UO	Hect, Royal H	Fotton N Dol	1.
9CR	Heige Paul A	841 Wilson Ave Chicago III	1.
9CR 9CW	Heise, Elmer B.	841 Wilson Ave., Chicago, Ill. 5134 Franklin St., Michigan City, Ind. 35 E. 33d St., Indianapolis, Ind. 1729 Sunnyside Ave., Burlington, Iowa.	
9LI	Heiser, Walter C	35 E. 33d St., Indianapolis, Ind	
9IL	Hellwig, Emil C	1729 Sunnyside Ave., Burlington, Iowa	15.
9KL	Heise, Elmer B. Heiser, Walter C. Hellwig, Emil C. Helms, Elvin E.	Petersburg, Ky	1.
9KK	Hendricks George H	Petersburg, Ky. 1410 Barth Ave., Indianapolis, Ind. Bennington, Kans	1.
9IO	Henry, Albert L. Herrling, Raymond C. Herrmann, Louis G.	Bennington, Kans	1.
9AGG	Herrling, Raymond C	856 Prospect St., Elgin, III	
9EL	Herrinann, Louis G	1944 Cormon Ava Chicago III	
9EQ 9MU	Hesly, Daniel Hess, Merriman Highes Varner	832 Forest Ave Wilmette III	
9ADW	Hicks, Verner	1410 Barth Ave., Indianapolis, Ind. Bennington, Kans 856 Prospect St., Elgin, Ill. 1330 Anthony Blvd., Fort Wayne, Ind. 1244 Carmon Ave., Chicago, Ill. 832 Forest Ave., Wilmette, Ill. 306 E. Marion, Ill. 1438 Park Ave. Indianapolis. Ind.	1.
9DG	Hilgenberg, Noble C.	1428 Park Ave., Indianapolis, Ind.	
9DG 9WV	Hoffman, Erich A	819 Laramie St., Atchison, Kans	1.
9SR	Hicks, verner Hilgenberg, Noble C Hoffman, Erich A Hogan, Lee Holcombe, Ray E Hollister, Harold A	232 Forest Ave., Wilmette, Ill. 306 E. Marion, Ill. 1428 Park Ave., Indianapolis, Ind. 819 Laramie St., Atchison, Kans. 458 11th Ave., Milwaukee, Wis. 22 Dayton St., Madison, Wis. 220 Broadway, Crookston, Minn. 3106 Graceland Ave., Indianapolis, Ind. 520 Greenleaf Ave., Glencoe, Ill. 206 Sterrett Ave., Covington, Ky. 1108 Franklin St., Burlington, Iowa. 124 E. 32d St., Indianapolis, Ind. 150 E. Green St., Decatur, Ill. 1712 E. Jackson St., Springfield, Ill. Buffalo, Ill.	
9BP	Holcombe, Ray E	22 Dayton St., Madison, Wis	
9EH	Hollister, Harold A	370 ISth Ave., Milwaukee, Wis	1.
90I	Holte, Harold O	220 Broadway, Crookston, Minn.	1.
9ABI 9QE	Hollister, Harold A. Holte, Harold O. Honecker, Walter. Hopkins, Stanley W. Hood, Kuper, jr. Hood, Norman R. Hood, Thomas Hornbeck, Holton. Howard, Charles B. Howard, Clyde M.	520 Graenleef Ave. Glencoe DI	
9QL 9QJ	Hood Kuper ir	206 Sterrett Ave. Covington Kv	1.
9JG	Hood Norman R	1108 Franklin St., Burlington, Towa	4
9QS	Hood, Thomas	124 E. 32d St., Indianapolis, Ind.	1.
9AEJ	Hornbeck, Holton	150 E. Green St., Decatur, Ill	
9AIL	Howard, Charles B	1712 E. Jackson St., Springfield, Ill	
9LW	Howard, Clyde M	Buffalo, Ill	1.
9AFE	Howard, Clyde M. Howard, John C. Howard, L. Hardeman. Howland, H. N. Huckett, Edwin W. Huff, Fred W.	311 S. State St., Champaign, Ill	1.
9VG 9PT	Howard, L. Hardeman	112 West St., Fulton, Ky	1.
9PT	Howland, H. N	Stony Isld. Ave., and 62d St., Chicago, Ill	1.
9IA 9AET	Huckett, Edwin W	402 N. Oakley St., Kansas City, Mo	1.
9MO	Huffmon Vorno A	218 Jackson St. Polo III	1.
9MO 9RV	Huffman Charles	131 W Colonder Ave Le Grange III	
9AIP	Hunt Clayton S	1712 E. Jackson St., Springfield, Ill.  Buffalo, Ill.  311 S. State St., Champaign, Ill.  112 West St., Fulton, Ky.  Stony Isld. Ave., and 62d St., Chicago, Ill.  402 N. Oakley St., Kansas City, Mo.  4328 Tracy Ave., Kansas City, Mo.  218 Jackson St., Polo, Ill.  131 W. Calendar Ave., La Grange, Ill.  R. F. D. No. 2, Urbana, Ill.  7390 Maple Ave., Maplewood, Mo.  418 Tsylo St. Tonaka Kons	
9ADG	Hughes, Arthur S.	7390 Maple Ave., Maplewood, Mo	1.
9MV	Huffman, Verne A Huffman, Charles Hunt, Clayton S Hughes, Arthur S Hughes, James C Hussner, Helm C Hyde Park High School Ra-	7390 Maple Ave., Maplewood, Mo 418 Taylor St., Topeka, Kans. 968 Drew St., Appleton, Wis. Stony Isld. Ave. and 62d St., Chicago, Ill.	1.
OLET	Hussner Helm C	068 Draw St Appleton Wis	1.
9MJ 9PT	Hyde Park High School Ra-	JOS DIEW DU, Appleton, Wilson	1.

#### NINTH DISTRICT—Continued.

#### ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call signal.	Owner of station.	Location of station.		
			Kw.	
GZ	Ihl, G. Sheridan	3834 N. 25th St., St. Louis, Mo	0	
DA	Irvin, John A	Cannelton, Ind	1	
DA DAU DAU	Irvin, John A	422 S. 16th Ave., Maywood, Ill	1	
ADF	Jarboe, Owen	3834 N. 25th St., St. Louis, Mo.  Cannelton, Ind	1	
AFA		1930 W 50th St Chicago III		
ACM	Jaroszewicz, Casimir. Jeffrey, Albert E. Jensen, Arnold N. Jensen, Louis T. Jewett, Gerald A. Jehsen, Arthur F.	Wigh School Cochen Ind	1	
ACM DE	Tonson Arnold N	226 High School Ave. Conneil Bluffs Iowa	,	
TK	Jensen Louis T	1217 Center St. Racine Wis	1	
OR	Jewett Gerald A	2105 High St., Des Moines, Iowa		
QR AL	Johnson, Arthur F	2706 Mersington Ave., Kansas City, Mo	1	
CT	Johnson, August R	Houghton, Mich	-	
OC QU OCG	Johnson, August R. Johnson, Lorin F. Johnson, Paul E. Johnson, Ralph J. Johnson, Redwick F.	R. F. D. No. 7, Columbia, Mo 2800 E. 26th St., Minneapolis, Minn 628 Marion Ave., Indianapolis, Ind "Boulder, Colo		
QU	Johnson, Paul E	2800 E. 26th St., Minneapolis, Minn		
CG	Johnson, Ralph J	628 Marion Ave., Indianapolis, Ind		
CV	Johnston, Rodelick B	Boulder, Colo		
AIK	Jordan, Jacob	Jefferson High School, Lafayette, Ind		
BS	Jorgenson, Harold	941 Herrick Ave., Racine, Wis		
JD	Jorgenson, O. B	1619 Hughitt Ave., Superior, Wis		
KO	Joseph, Jaroid S	405 Park Ave., Council Bluils, Iowa		
ADV	Jumieleo Herold W	241 Wolverine St. Laurium Mich	3	
DR	Joseph, Jarold S. Joslin, Murray. Jumisko, Harold W. Juvenal, James B.	628 Marion Ave., Indianapolis, Ind. Boulder, Colo. Jefferson High School, Lafayette, Ind. 941 Herrick Ave., Racine, Wis. 1619 Hughitt Ave., Superior, Wis. 465 Park Ave., Council Bluffs, Iowa. Independence, Iowa. 241 Wolverine St., Laurium, Mich. 345 Washington Blvd., Kansas City, Kans. 3400 Morgan St. St. Louis Mo.		
WC	Kannenstine, Fabian M	3400 Morgan St., St. Louis, Mo		
AJG	Kansier Victor H	445 3d St., Reedsburg, Wis.  928 Wright St., Milwaukee, Wis. 634 W. 4th St., Superior, Wis. 6425 Parnell Ave., Chicago, Ill. 1742 N. Park Ave., Chicago, Ill.		
AI	Kaufmann, Elmer. Keeler, Fayette W. Keenan, Charles J. Kees, Rossman W.	928 Wright St., Milwaukee, Wis		
BD	Keeler, Favette W	634 W. 4th St., Superior, Wis		
LF	Keenan, Charles J	6425 Parnell Ave., Chicago, Ill.		
QB HY	Kees, Rossman W	1742 N. Park Ave., Chicago, Ill		
HY	Keffer, Allen W	Ashland, Ky		
ADE	Keller, Carl E	Kinsley, Kans		
JL	Kees, Rossman W. Keffer, Allen W. Keller, Carl E. Keller, Stanley L. Kelley, Eugene V. Kelley, Edward L. Kenyon, Vernon N.	1742 N. Park Ave., Chicago, Ill. Ashland, Ky Kinsley, Kans. 602 25th St., Kearney, Nebr. 1311 W. Maple Ave., Independence, Mo. 551 Parkside Ave., Chicago, Ill. Dunwoody School, Minneapolis, Minn. 3208 Western Ave., Mattoon, Ill. 725 6th Ave., Council Bluffs, Iowa. 7348 Lafayette Ave., Chicago, Ill.		
WI	Kelley, Eugene V	1311 W. Maple Ave., Independence, Mo		
WT	Kelley, Edward L	551 Parkside Ave., Chicago, III		
GY	Kenyon, Vernon N. Kern, L. Armstrong. Kerney, Iden M. Kihlstrom, Harry C. Kimmel, Maurice E. Kingstond L. Rey	Dunwoody School, Minneapolis, Minn		
GI	Kern, L. Armstrong	3208 Western Ave., Mattoon, 10.		
HC	Kerney, Iden M	7240 Lafavetta Ava Chicago III		
ME	Kimmel Manrice E	202 F. South St. DuQuoin III		
ABM	Kingsland Le Roy	2326 Clarence Ave. St. Louis, Mo.		
AP	Kingsley, Raymond C.	1445 W. State St., Rockford, Ill.		
HG	Kistner, Joseph	222 E. Southgate St., Newport, Ky.		
CM	Klicpera, Milhart F	2328 Clarence Ave., St. Louis, Mo. 1445 W. State St., Rockford, Ill 222 E. Southgate St., Newport, Ky. 1705 Douglas Ave., Racine, Wis.		
RB	Kingsland, Le Roy Kingsland, Le Roy Kingsley, Raymond C Kistner, Joseph Klicpera, Milhart F Kluge, Arno A Knodle, Almon S Knour, Ralph Knowles, Ivar A	Ravenna, Nebr. 1942 Talbott Ave., Indianapolis, Ind. 1344 21st St., Des Moines, Jowa 523 Merchant St., Effingham, Ill. 3032 E. Michigan St., Indianapolis, Ind. 3141 Osage St., St. Louis, Mo.		
AGM	Knodle, Almon S	1942 Talbott Ave., Indianapolis, Ind		
LU	Knouf, Ralph	1344 21st St., Des Moines, Iowa		
AAK	Knowles, Ivar A	523 Merchant St., Effingham, Ill		
IB		3032 E. Michigan St., Indianapolis, Ind	1	
UG	Koenig, William, jr	3141 Osage St., St. Louis, Mo		
OD	Koenig, William, jr Kohl, William	3032 L. Michigan St., Indianapolis, Ind. 3141 Osage St., St. Louis, Mo. 606 St. Clair Ave., Sheboygan, Wis. 1116 Wolfram St., Chicago, Ill. 1607 N. 13th St., Sheboygan, Wis. 760 32d St., Milwaukee, Wis. 7724 Lowe Ave., Chicago, Ill.	-	
SG	Komm, Paul M	1110 Wollram St., Unicago, III.		
PA	Komm, Paul M. Korthals, Albert. Kossow, Erwin. Kramer, Andrew W.	760 22d St. Milworkee Wie		
HO	Kramor Andrew W	7794 Lowe Ave. Chicago TII		
WX KE	Krongfolder Leonard I	Bayfield, Wis.	1	
TC	Kranzfelder, Leonard J	4419 Forest Park Blvd. St. Louis Mo.		
TC	Krause, Charles H Krug, Eugene C	4419 Forest Park Blvd., St. Louis, Mo. 2249 St. Louis Ave., St. Louis, Mo. 4652 N. Hermitage Ave., Chicago, Ill	1	
AFD	Krus, Carl.	4652 N. Hermitage Ave., Chicago, Ill		
LQ	Kruse, Schiller	1538 Kentucky St., Lawrence, Kans	-	
LQ	Kubl S Horrie	2508 N. Spaulding Ave., Chicago, Ill		
FU	La Duke, Earl R. Laidlaw, Robert F. Lamb, Rea M.	1100 S. Josephine St., Denver, Colo	15	
FU PR	Laidlaw, Robert F	5217 Glenwood Ave., Chicago, Ill.	1000	
TZ	Lamb, Rea M	119 Milwaukee Ave., Kenosha, Wis		
AEC	Landon, Edward B	3860 Oceola St., Denver, Colo		
PG	Langen, George R.	517 N. 3d St., Fargo, N. Dak		
KT AED	La Plant, G. L.	St. Anthony, Iowa		
AED	La Plant, G. L. Larsen, Clifford N.	504 Spring St., Elgin, Ill.		
QA TX	Larson, Lee H	2020 Telegraph Rd., Davenport, Iowa	1 -	
TX	La Rue, Harold	633 Park Ave., W., Waterloo, Iowa		
PV	Laube, Herbert L	315 Grace St., Dubuque, Iowa	1	
LN	Laughlin, Dale	2225 Douglass St., Sloux City, Iowa		
)GJ	Laughlin, Dale. Lavender, Edwin N. Lawrence High School. See	1538 Kentucky St., Lawrence, Kans. 2508 N. Spaulding Ave., Chicago, Ill. 1100 S. Josephine St., Denver, Colo. 5217 Glenwood Ave., Chicago, Ill. 119 Milwaukee Ave., Kenosha, Wis. 3860 Oceola St., Denver, Colo. 517 N. 3d St., Fargo, N. Dak. St. Anthony, Iowa. 504 Spring St., Elgin, Ill. 2020 Telegraph Rd., Davenport, Iowa. 633 Park Ave., W., Waterloo, Iowa. 315 Grace St., Dubuque, Iowa. 2225 Douglass St., Sioux City, Iowa. 7363 Maple Blvd., Maplewood, Mo. Lawrence, Kans.		
	LAGITETICO ILIGII DUITOUI, DEE	ANGTH CHOCK INCHES		

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#### NINTH DISTRICT-Continued.

#### ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Powe
			Kw.
9FD	Lawson, Parrvyn R	838 Eugene St., Indianapolis, Ind	0
9LX	Lebermán, Palmer K. Lebo, Robert B. Lee, David R. Leininger, Clarence W. Lethen, Edward. Le Vine, George L. Lewis, Hubert. Lewis, W. Turnor, jr Lipe, Corodon C. Lipman, Theodore E. I. Liston, Earl	Upper Falls Rd., Sheboygan, Wis	1
9EC	Lebo, Robert B	1306 Main St., Richmond, Ind	1
9KC 9NQ	Lee, David R	2110 N. Tripp Ave. Chicago, III.	1
9RO	Lethen Edward	4212 Greenview Ave. Chicago, III	
PADM	Le Vine George I.	801 W 7th St Des Moines Town	1
9AAQ	Lewis, Hubert	5100 Easton Ave., St. Louis, Mo.	1
9JC	Lewis, W. Turnor, ir.	1500 Main St., Racine, Wis	i
PAII	Lipe, Corodon C	1243 W. Wood St., Decatur, Ill	1
9AO	Lipman, Theodore E. I	136 W. Grand Ave., Beloit, Wis	1
9LE	Lisle, Waldo E	6612 Lowe Ave., Chicago, Ill.	1
$_{ m PTH}$	Liston, Earl Littmann, Edwin R. Lloyd, Norman W. Lobas, John W. Lobas, Leo	774 S. Grant St., Denver, Colo	1
9VE	Littmann, Edwin R	5038 Maple Ave., St. Louis, Mo	1716
9IJ	Lloyd, Norman W	2658 W. 39th Pl., Chicago, III.	1
9GK 9DV	Loober Loo	Monticelle Towe	1 1 1
9DV	Lockwood Charles E	1222 W 7th St Waterloo Towa	1
$_{ m 9QF}$	Lockwood, Charles E. Lockhart, Ashton.	838 Eugene St., Indianapolis, Ind Upper Falls Rd., Sheboygan, Wis. 1306 Main St., Richmond, Ind 933 Galt Ave., Chicago, Ill. 2119 N. Tripp Ave., Chicago, Ill. 4312 Greenview Ave., Chicago, Ill. 801 W. 7th St., Des Moines, Iowa 5100 Easton Ave., St. Louis, Mo. 1500 Main St., Racine, Wis. 1243 W. Wood St., Decatur, Ill. 136 W. Grand Ave., Beloit, Wis. 6612 Lowe Ave., Chicago, Ill. 774 S. Grant St., Denver, Colo. 5038 Maple Ave., St. Louis, Mo. 2658 W. 39th Pl., Chicago, Ill. 635 31st St., Milwaukee, Wis. Monticello, Iowa. 1323 W. 7th St., Waterloo, Iowa. Casselton, N. Dak. Independence, Iowa.	1
9IN	Locke, Melvin W	Independence, Iowa	1
AX	Loosen, Irving R	2609 Olive St., Kansas City. Mo	
UC	Loveless, Harry L	137 Griffin Ave., Somerset, Ky	
9SI	Locke, Melvin W. Loosen, Irving R. Loveless, Harry L. Lowe, Meredith B. Lutz, Clarence W. A. Mackley, Harry A. MacMillan, Charles W.	Casselton, N. Dak. Independence, Iowa. 2009 Olive St., Kansas City, Mo. 137 Griffin Ave., Somerset, Ky. 2347 N. Delaware St., Indianapolis, Ind. 438 S. Quincy Ave., Kansas City, Mo. 420 Dechman Ave., Peoria, Ill. 635 Vine St., Denver, Colo. 2623 Indianapolis Ave., Indianapolis, Ind. 301 S. 13th St., Fargo, N. Dak. 945 W. 30th St., Indianapolis, Ind. 1120 Smith St., Burlington, Iowa. 1468 N. Ashland Ave., Chicago, Ill. 3335 Hennepin Ave., Minneapolis, Minn. 2015 Gaines St., Davenport, Iowa. 9 N. Chicago St., Rossville, Ill.	1
9BX	Lutz, Clarence W. A	438 S. Quincy Ave., Kansas City, Mo	
9AIM	Mackley, Harry A	420 Dechman Ave., Peoria, Ill	
9ADK	MacKiley, Harry A MacMillan, Charles W Maibucher, Fred J Mallarian, Gregory Malott, Alfred F Mann, Harold L Morkowkir Edward T	635 Vine St., Denver, Colo	
9RN	Malbucher, Fred J	201 C 12th Ct Forge N Delt	-
9GP 9DW	Malarian, Gregory	045 W 20th St. Indianapolic Ind	
9QP	Mann Harold I.	1120 Smith St. Rurlington Towa	
9KA	Markowski, Edward T Mase, Harold E Marshall, George Martens, Hugo. Mason, Francis M., jr. Mason, Leroy E Masters, Raymond Mathauser James I	1468 N. Ashland Ave., Chicago, Ill.	1
9AHD	Mase, Harold E.	3335 Hennepin Ave., Minneapolis, Minn.	1
9AER	Marshall, George	2045 S. Lawrence Ave., Wichita, Kans	
9AG	Martens, Hugo	2015 Gaines St., Davenport, Iowa	1
9LZ	Mason, Francis M., jr	9 N. Chicago St., Rossville, Ill	
9VQ 9RT	Mason, Leroy E	Alden, Minn	1
9RT	Masters, Raymond	2406 Wabash Ave., Kansas City, Mo	
9RE	Mathauser, James J	1943 W. Garneld Blvd., Chicago, Ill	1
9IK	Mathews, Raiph H. G	2500 Pollefontaine St. Indiananolis Ind	
9KK 9AAZ	Mathiasan Carl A	Onawa Towa	1
9AAJ	Mathison, Michael C	Glen Ellyn, Ill	C 200 100
9AEY	Matzinger, Philip F	1956 W. 94th St., Chicago, Ill.	
9CO	Maupin, Ross T	2436 Indiana St., Kansas City, Mo	
9PJ	Maxfield, David C	Le Roy, Minn	
9PJ 9SP	Masters, Raymond. Mathauser, James J. Mathews, Ralph H. G. Mathias, Russell E. Mathiasen, Carl A. Mathison, Michael C. Matzinger, Philip F. Maupin, Ross T. Maxfield, David C. Maxson, Rolland and Charles S.	9 N. Chicago St., Rossville, III Alden, Minn 2406 Wabash Ave., Kansas City, Mo. 1943 W. Garfield Blvd., Chicago, III. 1316 Carmen Ave., Chicago, III. 2509 Bellefontaine St., Indianapolis, Ind Onawa, Iowa Glen Ellyn, III. 1956 W. 94th St., Chicago, III. 2436 Indiana St., Kansas City, Mo. Le Roy, Minn. Milton, Wis. 3021 Hoagland Ave., Ft. Wayne, Ind. Buckingham Annex, St. Louis, Mo. 208 W. 7th St., Boone, Iowa. Tabor, Iowa. Crystal Lake, III. 227 E. Jefferson St., Washington, Iowa. 1257 Topeka Ave., Topeka, Kans. 3026 N. New Jersey St., Indianapolis, Ind. 1445 N. Edward St., Decatur, III. 5526 Lakewood Ave., Chicago, III. 2009 Richmond Ave., Mattoon, III. 4418 Wabash Ave., Chicago, III. 2113 N. New Jersey St., Indianapolis, Ind. 203 N. 2d St., Atchison, Kans. 1703 W. 104th Pl., Chicago, III. 1717 S. Jefferson Ave., St. Louis, Mo. 1310 Maple Ave., Evanston, III. 1815 N. 6th St., Sheboygan, Wis. Wautoma, Wis. Carrollton, III. 27 Shaffer St., Freeport, III. 1109 St. Clair Ave., East St. Louis, Mo. 1352 Komensky St., Chicago, III. 217-219 E. St. Paul St., Spring Valley, III 2856 N. Racine Ave., Chicago, III.	
9UH	May, De Witt W	3021 Hoagland Ave., Ft. Wayne, Ind	
9PO	May, Howard L	Buckingham Annex, St. Louis, Mo	
9MN	Maynard, P. Neff	208 W. 7th St., Boone, Iowa	East
9BO	May, De Witt W	Tabor, Iowa	1
9RR	McCall, John A	Crystal Lake, III	1
9RG	McCartney, Hugh S. McClintock, William S., jr.	1957 Topoka Ava Topoka Kans	-
9MD 9RJ	McCov James B	2026 N New Joreav St. Indianapolis Ind	
9AIR	McCoy, James B. McCune, George H. McDonald, Edgar J.	1445 N. Edward St., Decatur, III	1
9ADZ	McDonald, Edgar J.	5526 Lakewood Ave., Chicago, Ill.	-3
PAE	McGee, Paul J.	2609 Richmond Ave., Mattoon, Ill	
9AC	McGuffage, William J	4418 Wabash Ave., Chicago, Ill	
9RY	McGuire, Donald D	Public School Bldg., Aurora, Ill	
9GE	McKee, Myron J	2213 N. New Jersey St., Indianapolis, Ind	
POT	McKee, Charles R	203 N. 2d St., Atchison, Kans	150
9WP 9ER	McKeever, Thomas	1703 W. 104th Pl., Chicago, Ill	
9ER	McLoad, Kenneth	1/1/ S. Jellerson Ave., St. Louis, Mo	1
9EO	McGee, Paul J. McGeu, Paul J. McGuffage, William J. McGuire, Donald D. McKee, Myron J. McKee, Charles R. McKeever, Thomas McLoad, Kenneth. McNeill, Malcom R. McOuillin, Joseph R.	1815 N 6th St Shahovgan Wis	1
9ACK	McQuilkin, Joseph R	Woutome Wis	
9KG 9ADD	Meldrum George E	Carrollton III	
9ADD 9VV	Messerly Henry	Staunton III	14 345
9AGK	Messing, Marvin M	27 Shaffer St., Freeport, III	1
9QZ	Meyer, Otto.	1109 St. Clair Ave., East St. Louis, Mo.	
9QZ 9RS	Meyer, Walter A	1832 N. 13th St., Sheboygan, Wis.	
9MC	Michaels, John J	1352 Komensky St., Chicago, Ill	1 5
9AIZ	McQuilkin, Joseph R. Melcher, John M. Meldrum, George E Messerly, Henry Messing, Marvin M Meyer, Otto Meyer, Valter A Michaels, John J Miller, Carni E Miller, Charles, Jr Miller, F. Leslie	217-219 E. St. Paul St., Spring Valley, Ill	
9AEM	Miller, Charles, jr	2856 N. Racine Ave., Chicago, Ill	
9AEK			

#### NINTH DISTRICT—Continued.

#### ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call gnal.	Owner of station.	Location of station.	Powe	
			Kw.	
R	Miller, Harry F	1024 E. 14th St., Davenport, Iowa. 670 Rush St., Chicago, Ill.	1	
KR /J	Miller, John F	670 Rush St., Chicago, Ill	1	
F <b>H</b>	Miller, Leland	Osceola, Ind		
ľN	Millspaugh, Charles H., jr. Mirgeler, Robert J. Moen, Vere M. Mole, Harry H. Moore, William M. Moreland, Henry F. Morgan, Berwyn E. Morgan, Erapais S.	Oseela, Ind. 317 S. Franklin St., Decatur, Ill. 218 Clyburn St., Milwaukee, Wis. 661 Grand Ave., St. Paul, Minn 9853 Fowler Ave. Omaha, Nebr.		
CD	Moen, Vere M	661 Grand Ave., St. Paul, Minn		
AAV AH	Mole, Harry H	State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   Stat		
ďΗ	Moore, William M	3102 N. Capitol Ave., Indianapolis, Ind		
FW 38	Moreland, Henry F	1009 Washington Ave., Cairo, Ill	1	
<b>u</b> w	Morrison Francis S	506 E. Cherry St., Watseka, Ill		
ΓΙ	Morrison, Francis S.  Morrison, Francis S.  Morshead, John S.  Morton, Charles E.  Motton, Clyde E.  Moss, Frank K.  Mueller, Clarence  Munchof Leo G.	Culver, Ind		
iîn .	Morton, Charles E	Culver, Ind 520 Schwartz St., Edwardsville, Ill. 341 S. Lawn Ave., Kansas City, Mo. 1021 S. York St., Denver, Colo. 2421 N. Sawyer Ave., Chicago, Ill. 2046 N. New Jersey St., Indianapolis, Ind. Amboy, Ind.		
AJD NK	Morton, Clyde E	341 S. Lawn Ave., Kansas City, Mo	1	
NK	Moss, Frank K	1021 S. York St., Denver, Colo		
ΕĒ	Mueller, Clarence	2421 N. Sawyer Ave., Chicago, Ill		
BJ BE	Munchnoi, Leo G	Ambour Ind	1	
ÅBU	Myers Wilford II	200 N 3d St Charleston Mo	1	
BB	Nattenheimer, Ervin B	559 Lexington Ave., Newport, Ky		
HAA	Neidlinger, Laurence C	3322 Northwestern Ave., Indianapolis, Ind		
вн	Neitz, Paul I	137 Brainerd St., Naperville, Ill	1	
P	Nell, Edward, jr	2046 N. New Jersey St., Indianapolis, Ind Amboy, Ind. 209 N. 3d St., Charleston, Mo 559 Lexington Ave., Newport, Ky. 3322 Northwestern Ave., Indianapolis, Ind. 137 Brainerd St., Naperville, Ill. 2023 Talbott St., Indianapolis, Ind. Clinton, Iowa		
7)	Nell, Raymond B	Clinton, Iowa		
ÅJ RQ AHI	Munchhof, Leo G. Myers, Delbert. Myers, Wilford U. Nattenheimer, Ervin B. Neidlinger, Laurence C. Neitz, Paul I. Nell, Edward, jr. Nell, Raymond B. Nelson, Carl H. Nelson, G. Adolph Nelson, Lee M. Nelson, M. E. Nestlerode, Boyd W. Neumann, Clarence F.	723 N. 1st St., Fargo, N. Dak		
λĎĴ	Nelson, Lee M	731 3d St. N., Fargo, N. Dak. 701 Pierce St., Sioux City, Iowa.	1	
LEW	Nelson, M. E	731 3d St. N., Fargo, N. Dak		
OG .	Nestlerode, Boyd W	701 Pierce St., Sioux City, Iowa	1	
<b>T</b>	Neumann, Clarence F	1616 Wells St., Milwaukee, Wis. 1616 Wells St., Milwaukee, Wis. 1616 Wells St., Milwaukee, Wis. 1616 Wells St., Milwaukee, Wis. 1616 Wells St., Milwaukee, Wis. 1618 Madison Ave., Covington, Ky. 1712 Indianapolis Ave., Indianapolis, Ind. 1712 R. F. D. No. 8, Fort Wayne, Ind. 1706 Ewing Ave. Kansas City. Mo.		
JJ	Neumann, Adelbert G	1616 Wells St., Milwaukee, Wis		
FG FL	Neumann, Adelbert G. Nevling, Lorin I. Newhall, Elwood L. Newlin, Myron.	2191 Madison Ava Covington Ky		
A A T.	Newlin Myron	2712 Indianapolis Ave. Indianapolis Ind		
AAL AW	Niswonger, Elbert E	R. F. D. No. 8. Fort Wayne, Ind		
VВ	Newonger, Elbert E. Nolan, Guy P. Nolte, Edward F. Norene, Raymond E. Norviel, Herbert D.	7. F. D. No. S., Foto wayne, Im. 506 Ewing Ave., Kansas City, Mo. 4955–A Terry Ave., St. Louis, Mo. 2425 Avenue A, Council Bluffs, Iowa		
3J	Nolte, Edward F	4955-A Terry Ave., St. Louis, Mo		
A	Norene, Raymond E	2425 Avenué A, Council Bluffs, Iowa 521 Jackson St., Anderson, Ind. 4031 S. Campbell Ave., Chicago, Ill. 935 W. 333 Ter., Kansas City, Mo. 6218 Ellis Ave., Chicago, Ill. 1222 W. 30th St., Indianapolis, Ind. Williams Bay, Wis. 517 S. 4th St., Grand Forks, N. Dak 349 St. John's Court, Chicago, Ill. 1454 Pensacola Ave., Chicago, Ill. 5740 Bartmer Ave, St. Louis, Mo. 2232-A Red Bud Ave., St. Louis, Mo. 3934 Montrose Ave., Chicago, Ill. 529 W. Jefferson St., Springfield, Ill. 2135 S. New Jersey St., Indianapolis, Ind. Aneta, N. Dak.		
RK MG	Norviel, Herbert D. Novak, Joe J. Oberholtz, Edwin F. O'Connell, John B. O'Donnell, Wert. Oetjen, Richard J. Olmsted, Randolph F. Olsen, Clarence J. M. Olsen, Winnard G. O'Neil, Donald H. C. Oonk, William J. C. Ort, Henry M. Ostermeier, Cecil H. Osting, Raymond. Ovrebo, Paul.	521 Jackson St., Anderson, Ind		
N N	Oberholtz Edwin F	935 W 33d Ter Kansas City Mo	1	
QN AF	O'Connell, John B.	6218 Ellis Ave., Chicago, Ill.		
\EG	O'Donnell, Wert	1222 W. 30th St., Indianapolis, Ind	1	
FK	Oetjen, Richard J	Williams Bay, Wis		
S	Olmsted, Randolph F	517 S. 4th St., Grand Forks, N. Dak		
V_	Olsen, Clarence J. M	349 St. John's Court, Chicago, III		
o <b>K</b>	O'Neil Donald H C	5740 Bartmer Ave. St. Louis Mo		
AF	Oonk William J. C.	2232-A Red Bud Ave. St. Louis, Mo.		
ľΤ	Ort. Henry M	3934 Montrose Ave., Chicago, Ill		
rT rv	Ostermeier, Cecil H	529 W. Jefferson St., Springfield, Ill		
J <b>B</b>	Osting, Raymond	2135 S. New Jersey St., Indianapolis, Ind		
HS	Ovrebo, Paul	Aneta, N. Dak		
JP Wa	Paetzold, William H Parks, Paul B	339 Ashland Ave River Forest III		
WG PA WS	Parnin, Ross	1239 W. Berry St., Ft. Wayne, Ind.	1	
ws.	Parnin, Ross. Patterson, Coy V. Paust, Lawrence R.	3528 Windsor Ave., Kansas City, Mo		
)B	Paust, Lawrence R	304 E. North St., Whitewater, Wis	1	
HG	Payne, Howard	1201 N. 27th St., Omaha, Nebr		
FB	Pearce, William W., jr	538 Steele Court, Waukegan, III		
AN	Payne, Howard	204 N State St. Elgin, III		
)H	Pentland, Robert L.	5225 Woodlawn Ave., Chicago, Ill.		
LO	Pentland, Robert L Perkins, Albert	3946 The Paseo, Kansas City, Mo	1	
3レ	Perl, Raymond H	2533 N. Richmond St., Chicago, Ill		
ŲŲ	Perry, William N	825 Lake Ave., Racine, Wis	1	
ΚI	Perry, Haymond H Perry, William N Petersen, Howard E Petersen, Walter Peterson, Oscar W Pfeller, Lawrence Pfister, Walter Phelps, Clyde W Phillipse H G	213 S. New Jersey St., Indianapolis, Ind. Aneta, N. Dak. 4202 Farlin Ave., St. Louis, Mo. 339 Ashland Ave., River Forest, Ill. 1239 W. Berry St., Ft. Wayne, Ind. 3528 Windsor Ave., Kansas City, Mo. 304 E. North St., Whitewater, Wis. 1201 N. 27th St., Omaha, Nebr. 538 Steele Court, Waukegan, Ill. 2331 S. Avers Ave., Chicago, Ill. 204 N. State St., Elgin, Ill. 5225 Woodlawn Ave., Chicago, Ill. 3946 The Paseo, Kansas City, Mo. 2533 N. Richmond St., Chicago, Ill. 4867-A Natural Bridge Ave., St. Louis, Mo. 705 W. Bancroft Ave., Fergus Falls, Minn. 1810 N. 5th St., Sheboygan, Wis. 1032 Benton St., Rockford, Ill. 240 Sheridan Rd., Hubbard Woods, Ill. Lucca, N. Dak.		
N N	Petersen, Walter	705 W Bancroft Ave Fergis Falls Minn		
ABW	Pfeiler Lawrence	1810 N. 5th St., Sheboygan, Wis		
ACW -	Pfister, Walter	516 Erie Ave., Sheboygan, Wis		
īΧ̈́	Phelps, Clyde W Phillipps, H. G. Phillips, Claude B. Phillips, H. Leroy. Pickett, Chester H	1032 Benton St., Rockford, Ill		
NX NC	Phillipps, H. G	240 Sheridan Rd., Hubbard Woods, Ill		
\FR	Phillips, Claude B	Lucca, N. Dak 1342 11th St., Des Moines, Iowa 923 Manla Ave, Wankesha Wis.		
)Z	Phillips, H. Lerov	1342 11th St., Des Moines, Iowa		

#### NINTH DISTRICT—Continued.

#### ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Powe
9EV	Pierrol Myron D	4548 N. Soolov Ava. Chicago III	Kw.
9CC	Pierson, Martin	Williams Bay. Wis.	1
9PY 9HU	Piersol, Myron D Pierson, Martin Pierson, Stuart W Pilgram, George W. and John	4546 N. Seeley Ave., Chicago, Ill. Williams Bay, Wis. 214 Maple Ave., Carrollton, Ill. 710 S. 19th St., St. Joseph, Mo.	
	Pilgram, George W. and John C.	710 S. 19th St., St. Joseph, Mo.  101 N. Pleasant St., Independence, Mo. 2444 N. Alabama St., Indianapolis, Ind 292 W. Governor St., Springfield, Ill. 675 Greenwood Ave., Glencoe, Ill. 675 Greenwood Ave., Glencoe, Ill. 602 Cudahy Ave., Cudahy, Wis. 683 10th Ave., Milwaukee, Wis. 8t. Louis, Mo. 212 E. 9th St., Newport, Ky. 402 Greenwood Ave., Chicago, Ill. 703 25th St., Milwaukee, Wis. 335 N. Trumbull Ave., Chicago, Ill. 703 25th St., Milwaukee, Wis. 232 Garfield Ave., Kansas City, Mo. 626 W. Macon St., Decatur, Ill. 316 W. 5th Ave., Cresco, Iowa. 2500 Grand Ave., Des Moines, Iowa. 2728 Chestnut St., Grand Forks, N. Dak. 2705 Highland Pl., Indianapolis, Ind. 3114 Cedar St., Le Mars, Iowa. 312 Larimore St., Omaha, Nebr. 3811 S. 10th Ave., Minneapolis, Minn. Indianola Rd., Des Moines, Iowa. 2508 Ames Ave., Omaha, Nebr. 3718 Ilackstone Ave., Chicago, Ill. 237 South St., Kansas City, Kans. 318 Larimore St., Omaha, Nebr. 5711 Blackstone Ave., Chicago, Ill. 237 South St., Kansas City, Kans. 1130 Wisconsin St., Racine, Wis. 5921 Winthrop Ave., Chicago, Ill. Pillsbury Academy, Owatonna, Minn. Polo, Ill. 1827 John Ave., Superior, Wis.	
$_{ m 9OL}$	Plank, George A., jr. Plummer, Evans E. Pollard, Lynn. Pope, Franklin R. Porwencher, Somuel	101 N. Pleasant St., Independence, Mo	l.
9GT	Pollard, Lynn	929 W. Governor St., Springfield, Ill	
9TY 9AD	Pope, Franklin R	675 Greenwood Ave., Glencoe, III	1.
9UR	Powers, Milton A	602 Cudahy Ave. Cudahy. Wis	ı
9HD	Prahl, Louis	463 10th Ave., Milwaukee, Wis	ı.
9AHN 9F <b>M</b>	Principia School	St. Louis, Mo.	1.
ONR	Price Gerald	4402 Greenwood Ave Chicago III	.
9NB 9J <b>M</b>	Putz, Anton E	703 25th St., Milwaukee, Wis	
OU OCS	Pye, Harold	935 N. Trumbull Ave., Chicago, Ill	1.
9C8 9P <b>H</b>	Ragan, Tate V	523 Garrield Ave., Kansas City, Mo	1. 1.
KD	Rathert, Will P	316 W. 5th Ave. Cresco Towa	i.
98B	Rawson, A. Cummins	2500 Grand Ave., Des Moines, Iowa	
GC	Read, Harry	728 Chestnut St., Grand Forks, N. Dak	
oIG OAGJ	Pone, Franklin R. Porwancher, Samuel Powers, Milton A. Prahl, Louis Principia School. Preuss, Arthur C. Price, Gerald. Putz, Anton E. Pye, Harold. Ragan, Tate V. Ranson, Richard R. Rathert, Will P. Rawson A. Cummins. Reed, Harry. Reeder, Vern K. Rees, John C. Rehm, Ralph E. Reichenecker, Frank N. Reinhardt, William Reynolds, William D., jr. Rhea, Robin E. Richards, John	1314 Cadar St. La Mars Town	1.
FO	Rehm. Ralph E	1102 N. 3d St., Kansas City, Kans.	
LA BW	Reichenecker, Frank N	543 Everett Ave., Kansas City, Kans	
BW WH	Reinhardt, William	3312 Larimore St., Omaha, Nebr	1
BO	Rhea Robin E	Indianola Rd Des Moines Iowa	1
BQ AEQ	Richards, John	2508 Ames Ave., Omaha, Nebr	-
OV VW	Richardson, David W	5711 Blackstone Ave., Chicago, Ill	
og R	Riedy, Walter L	237 South St., Houghton, Mich	٠.
NE	Riley, Wilson M	4424 St. John St., Kansas City. Mo	1.
NE NS	Ritter, William H	2748 N. 22d St., Kansas City, Kans	1
ND	Roberts, Mason C	1130 Wisconsin St., Racine, Wis	≺ L
GW	Roe. Vancil V	Pillsbury Academy, Owatonna, Minn	i.
ADX MR	Rhea, Robin E. Richards, John. Richardson, David W. Riedy, Walter L. Rilgs, H. C. Riley, Wilson M. Ritter, William H. Roberts, Mason C. Rock, Burnham S. Roe, Vancil V. Roth, Henry, Jr. Roth, John.	Prinsulty Academy, Owatomia, Minn. 1827 John Ave., Superior, Wis 3748 Clifton Ava., Chicago, Ill 3216 16th Ave. S., Minneapolis, Minn 5701 Clemens Ave., St. Louis, Mo Casey, Iowa.	1
ST :	Roth, John. Russchau, Harry R. Rufsvold, Arnold S. Russell, Wolfert D. Rutt, Burnice L. Ruzek, Oscar E.	1827 John Ave., Superior, Wis	٠. ا
ĀT ADI	Rufsvold Arnold S	3/48 Clitton Ava., Chicago, III	':
AAE	Russell, Wolfert D	5701 Clemens Ave. St. Louis. Mo	
AAE OS	Rutt, Burnice L	Casey, Iowa	
SV I	Ruzek, Oscar E	Flat Rock, Mich	
FI RL	Salisbury, Hubbard H. Saltmarsh, Eugene P. Sandifer, Robert P.	1215 Newman St., Indianapolis, Ind	1.
ÖP KV	Sandifer, Robert P	325 N. Atchison St., El Dorado, Kans	
KV	Sauer, August	5701 Clemens Avé., St. Louis, Mo. Casey, Iowa Flat Rock, Mich 1703 Banks Ave., Superior, Wis 1215 Newman St., Indianapolis, Ind 325 N. Atchison St., El Dorado, Kans 809 N. Temple Ave., Indianapolis, Ind 1410 N. Delaware St., Indianapolis, Ind Sterling, Nebr 1216 Hammond Ave. Superior, Wis	
DT	Schalkhausser Erich C	Starling Nahr	L
AHO MX	Schiller, Roy	1216 Hammond Ave., Superior, Wis	ંત્ર
AEF	Schlegel, Alfred	222 S. Francis St., South Bend, Ind	النزر ا
LM SE	Schmidt Otto G	MUUIIUI GUGG, KSIIS	1
AJN	Sanier, Robert P Sanier, August Schaf, J. Charles, jr. Schalkhausser, Erich G Schiller, Roy Schlegel, Alfred Schowalter, Elmer R Schmidt, Otto G Schoenwolf, Fred L. H Schrage Charles T	809 N. Temple Ave., Indianapolis, Ind 1410 N. Delaware St., Indianapolis, Ind Sterling, Nebr 1216 Hammond Ave., Superior, Wis 1222 S. Francis St., South Bend, Ind Moundredge, Kans 4310 Emmet St., Omaha, Nebr 1917 Warner Ave., Chicago, Ill 517 Washington Court, Sheboygan, Wis R. F. D. No. 6, Rockingham, Iowa 932 Spaight St., Madison, Wis Oregon, Mo 2864 Ames Ave., Omaha, Nebr 4228 Bellefontaine St., Indianapolis, Ind 327 Park Ave., Kokomo, Ind 1111 S. 16th St., Sheboygan, Wis 134 Christiana Ave., Chicago, Ill 1322 Bayard Ave., St. Louis, Mo 4355 N. Ashland Ave., Chicago, Ill 131 Hyland Ave., Ames, Iowa 828 Astor St., Milwaukee, Wis 2829 W. Fairfield Ave., Chicago, Ill Pleasant Plains, Ill Pleasant Plains, Ill 2660 Sutton Ave., Maplewood, Mo 316 N. West St., St. John, Kans 336 Center St., Racine, Wis 433 S. Warman Ave., Indianapolis, Ind	200
AJN SS	Schrage, Charles T Schricker, J. Raymond Schubert, Clarence K. F Schulte, Herman	517 Washington Court, Sheboygan, Wis	. 1.
IR JZ	Schricker, J. Raymond	R. F. D. No. 6, Rockingham, lowa	34.
FC	Schulte, Herman	Oregon. Mo.	* 49
AAX KW	Schulze, A. N.	2864 Ames Ave., Omaha, Nebr	
KW	Scott, M. Vernon	2428 Bellefontaine St., Indianapolis, Ind	<>-
BY VH	Scribner, Elmer B	1111 S. 16th St., Shebovgan, Wis	
VH DZ	Seaman, Walter A	734 Christiana Ave., Chicago, Ill	• -
DN	Sears, Charles L	1322 Bayard Ave., St. Louis, Mo	3.1.
SU	Sels Hollis K	131 Hyland Ave., Ames. Tows	4.1
AGR	Seymour, Charles E	828 Astor St., Milwaukee, Wis	1
öŏ.	Schulte, Herman Schulte, Herman Schulte, A. N Scott, M. Vernon Scoven, Paul Scribner, Elmer B Seaman, Walter A Sears, Charles L Seese, Thomas G Sels, Hollis K Seymour, Charles E Semmelmeyer, Herbert Sever, Harold C Shanks, Charles E Shepherd, Don I Shephard, Floyd P Shiel, Merrill Shockey, Clarence A	2629 W. Fairfield Ave., Chicago, Ill	, ck
GH	Sever, Harold C	Pleasant Plains, Ill.	
ACE BG ABO	Shepherd. Don T	316 N. West St., St. John, Kans	
ÃBO	Shephard, Floyd P	936 Center St., Racine, Wis.	y Sec.
MI	Chiel Morelli	422 G Wormen Ave Indiananclis Ind	3 7 7

#### NINTH DISTRICT-Continued.

#### ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call signal.	Owner of station.	Location of station.	Power.
0,	The Roy		Kw.
9EF	Shotwell, Harold H	446 61st Pl., Chicago, Ill	1.0
9AGI 9VA	Shriner, Ralph L. Siegert, Walter. Simms, Lincoln J.	4236 Juniata St., St. Louis, Mo	
9VA	Siegert, Walter	1250 W. 97th Pl., Chicago, Ill	
9EY	Similes, Lincoln J	318 Locust St., Elgin, III	1.0
9IY	Singleton, Paul G Skrainka, Walter and Nich-	4925 Lindell Pland St. Levis Mo.	
PAQ	olas.	446 61st Pl., Chicago, Ill. 4236 Juniata St., St. Louis, Mo. 1250 W. 97th Pl., Chicago, Ill. 318 Locust St., Elgin, Ill. 3161 Kenwood Ave., Indianapolis, Ind. 4235 Lindell Blvd., St. Louis, Mo.	
MAD	Slentz, Daniel R	305 Douglas St., Fort Wayne, Ind.	
UN	Smith H Merrill	305 Douglas St., Fort Wayne, Ind. 4454 W. Monroe St., Chicago, Ill.	1.0
UN	Smith, Joe L. Smith, Lester M. Smith, Nathaniel C. Smith, Noble.	III N. Highland St. Channie Kans	
MA	Smith, Lester M	Salem, Wis	
AIT	Smith, Nathaniei C	Salem, Wis. 912 N. Glen Oak Ave., Peoria, III 1329 Brook St., Louisville, Ky 1836 Villa St., Racine, Wis. 9005 Evilton St. Chings III	
ABG	Smith Paymond I	1826 Ville St. Dogine Wie	
WW	Smith Raymond I	2005 Fulton St., Chicago, III	
WM	Smith Stanley	1552 E. 61st St. Chicago, III	1.
IM	Smith, Raymond J. Smith, Raymond L. Smith, Raymond L. Smith, Stanley Smith, Wallace W. Smith, Wilson S.	3005 Fulton St., Chicago, III. 1552 E. 61st St., Chicago, III. 13 Eastover Park, Louisville, Ky. 219 Rome Ave., Rockford, III.	1.
FX	Smith, Wilson S	219 Rome Ave. Rockford III	1.
VZ	Snarski, J. P	1302 W, 52d St., Chicago, Ill.	
AHM	Snoke, Kenneth F	511 E. 16th St., Davenport, Iowa	1. 1.
JK	Snyder, William O	Sweet Springs, Mo	
JI	Snarski, J. P. Snoke, Kenneth F. Snyder, William O. Sommer, James M.	2538 N. Talbott Ave., Indianapolis, Ind	
ADS	Spalding, John G. Spaniol, John T. Sparks, Charles H.	219 Rome Ave., Rockford, III.  1302 W. 52d St., Chicago, III.  511 E. 16th St., Davenport, Iowa.  Sweet Springs, Mo.  2538 N. Talbott Ave., Indianapolis, Ind.  1328 Brook St., Louisville, Ky.  1324 Harrison St., Superior, Wis.  5431 Bartmer St., St. Louis, Mo.  Sandwich, III.  Magnolia, III.  600 Wingfield St., Anoka, Minn.  Gilman, III.	
EI	Spaniol, John T	1324 Harrison St., Superior, Wis	1.
LT	Sparks, Charles H	5431 Bartmer St., St. Louis, Mo	
AIG	Spickerman, Francis H	Magnetic, III	1. 1.
TIJ	Spencer, Alvin C. Spencer, Earle W. Spencer, Levi	600 Wingfeld St. Angles Minn	Į.
QQ KP	Spencer Levi	Gilman III	1.
AFI	Sprackling, George A. Stang, Ray E. Stanley, Charles A. Stewart, Lawrence W. St. Cyr, Albert	Gilman, III. 602 Milwaukee Ave., Janesville, Wis. 1305 Main St., Le Mars, Iowa. 1416 N. Hillside Ave., Wichita, Kans.	
PE	Stang Ray E	1305 Main St. Le Mars Towa	
PE	Stanley Charles A	1416 N. Hillside Ave. Wichita Kans	1
HX	Stewart, Lawrence W	211 Hicks Ave., Columbia, Mo	i i
HK	St. Cvr. Albert	211 Hicks Ave., Columbia, Mo. 319 Harrison St., Marquette, Mich.	
SX	Steinberg, Alfred F	933 35th St., Milwaukee, Wis	
HP	Steinberg, Alfred F. Stevens, Kenneth Stevers, Harold D.	933 35th St., Milwaukee, Wis 2032 N. 7th St., Sheboygan, Wis 6804 Hurlbut Ave., Chicago, Ill.	i. : :
OX	Stevers, Harold D	6804 Hurlbut Ave., Chicago, Ill	1.
RZ	Store, Francis E. Stone, Richard G. Stone, J. McW. Stover, Peter A. Strock, Reeve O. Struyer, Harold W. Sutcliffe, Ewart L.	801 Harrison St., Topeka, Kans 717 Douglas Ave., Elgin, Ill. 5129 Harper Ave., Chicago, Ill. Marengo, Iowa	1.
AA	Stone, Richard G	717 Douglas Ave., Elgin, III	1.
LH	Stone, J. McW	Marenge Laws	1.
LP	Strook Pears O	Polo, Ill.	1. 1.
WJ	Straver Harold W	1218 Lafayette St., Ft. Wayne, Ind.	1.
SL	Sutcliffe, Ewart L	308 Kearsarge St., Laurium, Mich	
DG	Sutherland, Kenneth L.	1411 Harrison St., Topeka, Kans	1.
PAFM	Swain, Raymond E	2828 Highland Pl., Indianapolis, Ind.	
OID	Swanson, Carl S	7110 Cottage Grove Ave., Chicago, Ill	
AFN	Swanson, Martin	1900 Western Ave., Minneapolis, Minn	
CB	Swain, Raymond E. Swanson, Carl S. Swanson, Martin. Tafel Electric Co., Inc., H. C. Talbett, Edward	236 W. Jefferson St., Louisville, Ky	]. 1.
HIE	Talbott, Edward	1900 Western Ave., Minneapolis, Minn 236 W. Jefferson St., Louisville, Ky. 1114 W. 34th St., Indianapolis, Ind. 458 Foote Ave., Bellevue, Ky.	1.
9PZ	Tallentire, Thomas	458 Foote Ave., Bellevue, Ky	
HJ	Taylor, Forrest. Taylor, Wm. B., jr. Taynton, Mark.	Monroeville, Ind.	1.
GB	Taylor, Wm. B., jr	Monroeville, Ind 6638 Kenmore Ave., Chicago, Ill. 7641 South Shore Drive, Chicago, Ill. High School, Devils Lake, N. Dak Hagerstown, Ind. 202 Prospect Ave., Stoughton, Wis. 520 Schwartz St., Edwardsville, Ill 310 Polk St., Topeka, Kans. Y. M. C. A. Bldg., South Bend, Ind.	1.
FN	Taynton, Mark	High School Devils Lake N. Del-	ı.
DLG DJV	Teal, Paul H	Hagarstown Ind	1.
HQ	Terry Owen B	202 Prospect Ave. Stoughton Wis	1.
AIH	Teetor, Macy O Terry, Owen R Terry, James W	520 Schwartz St., Edwardsville, Ill	4.
QV	Thacher, Safford D	310 Polk St., Topeka, Kans	:
QV ON	Thielens, Wagner P	Y. M. C. A. Bldg., South Bend. Ind.	1.
ED	The David Ranken, ir.,	21 201 0121 2 100, 11111 2 100,	
10	Thacher, Safford D. Thielens, Wagner P. The David Ranken, jr., School of Mechanical		
		4420 Cook Ave., St. Louis, Mo. 3413 Meade St., Denver, Colo. 746 16th St., Milwaukee, Wis. R. F. D. No. 15, Amboy, Ind. 3019 Locust St., St. Joseph, Mo.	1.
AM	Theisen, Peter J	3413 Meade St., Denver, Colo	
WK	Theisen, Peter J. Thomas, Carroll W. Thomas, Herschel. Thomas, Martin N.	740 10th St., Milwaukee, Wis	
RU	Thomas, Herschel	2010 Logget St. St. Joseph Mo.	
OR	Thomas, Martin N	Gilman, Ill	
BM	Tipling Ted P C	Gilman, Ill. 6042 Kenwood Ave., Chicago, Ill.	
9TS 9AAW	Todd I Richard	Louisville, III	
ABK	Throop, Fred I. Tinling, Ted R. G. Todd, J. Richard. Todd, Leonard.	2269-A Red Bud Ave., St. Louis, Mo.	
9EB	Tomann, Orville R	2269-A Red Bud Ave., St. Louis, Mo	1. 1.
9BK	Trier, Paul W		
9IU	Trier, Paul W Tronske, Anthony. Trump, Robert K. Tylekens, Lucas, ir	Neidringhouse Bldg., Granite City, Ill 1254 Van Buren St., Topeka, Kans. 111 N. Topping Ave., Kansas City, Mo.	1.
9JW	Trump, Robert K	1254 Van Buren St., Topeka, Kans	
9AGB	Tylekens, Lucas, jr	111 N Canning Ave Vancos City Mo	

#### NINTH DISTRICT-Continued.

#### ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call signal.	Owner of station.	Location of station.	Powe
			Kw
9QK	Tuckerman, Gustavus, jr	5851 Pennsylvania Ave., St. Louis, Mo	0
9TR	Turner, Orville H.	4534 McMillan Ave., St. Louis, Mo	1
9EW	Turner, Orville H Vander Veer, Guy E	1246 W. Randolph St., Chicago, Ill.	
9SM	Van Hook, Valens	127 Clay St., Topeka, Kans.	
9BV	Van Hook, Valens Van Slyck, Wellington	127 Clay St., Topeka, Kans	
9AEE	Varner, Lindsay I	Odessa Mo	
9QY	Vehling, Robert	Odessa, Mo 622 N. Rural St., Indianapolis, Ind	1063
90F	Vollmar, Harold V	909 Wall St., Milwaukee, Wis	-
9PP	Voss, Lucien L	2679 Lincoln Ave., Chicago, Ill.	100
9AIB	Wahn, Harry	4946 N. Hoyne Ave., Chicago, Ill	
9GO	Wagner William D	123 W. 4th St., Duluth, Minn	1000
9ES	Wagner, William D Wales, Frank S		-
9FA	Walker, Lloyd A	1716 S. 20th St., St. Joseph, Mo.	1000
	Wallace William A	Brush, Colo	
9ADR	Wallace, William A Ward, Lloyd S	1227 Chestnut St., Rockford, Ill	1
9AY	Ward, Lloyd S	2615 Saminary Ava Chicago III	12.
9AEX	Wareing, Thomas Warner, Kenneth H	402 Washington Ave Cairo III	
9JT	Watking Edwin S	2615 Seminary Ave., Chicago, Ill. 402 Washington Ave., Cairo, Ill. 5245 Magnolia Ave., Chicago, Ill.	
9CU	Wateon Noble B	204 N. Hamilton Ave., Indianapolis, Ind	
9JA	Watkins, Edwin S Watson, Noble B Weber, Anthony L Weber, John O	1302 Winong Ave Chicago III	1536
9DO	Weber, John O	1302 Winona Ave., Chicago, Ill 646 31st St., Des Moines, Iowa	100
9GL	Weilern Paul F	646 31st St., Des Moines, Iowa. 631 W. Prairie Ave., Decatur, Ill. 403 W. 42d St., Des Moines, Iowa. 908 Clark St., Evanston, Ill. 631 Harrison St., Gary, Ind. 1729 Quindaro Blvd., Kansas City, Kans. 1040 N. Leclaire Ave., Chicago, Ill. 1825 S. Washington St., Denver, Colo. 406 N. Lawndale St., Kansas City, Mo. 903 Lake St., Columbia, Mo.	-
9PL	Weilepp, Paul F Weitz, Rudolph W	402 W 42d St Dog Moines Town	1990
9SK	Weitz, Rudolph W	403 W. 42d St., Des Mollies, 10Wa	15.0
9IS	Wendell, Raymond B	908 Clark St., Evanston, III	
9AAB	West, Paul H	1700 Ovinders Plant Veners City Vene	15
9QC	Wheeler, Ted R	1/29 Quindaro Bivd., Kansas City, Kans	1000
9LB	Whipple, Arthur F	1040 N. Leciaire Ave., Chicago, III.	1
9ADU	Whitaker, Ralph S	1825 S. Washington St., Denver, Colo	38
9AFK	Whitcomb, Donald L	406 N. Lawndale St., Kansas City, Mo	100
9HB	White, Elliott A	903 Lake St., Columbia, Mo. 1523 Jackson St., Sioux City, Iowa 737 Waverly Ave., Kansas City, Kans. 27 N. Anderson St., Aurora, Ill. 427 S. Brighton St., Kansas City, Mo.	-
9JH	White, H. S. M	1523 Jackson St., Sloux City, Iowa	
9GQ	Wiggin, Parker E	737 Waverly Ave., Kansas City, Kans	111111111111111111111111111111111111111
9UA	Wiggin, Parker E. Wigton, Theron W. Wilcox, Charles W.	27 N. Anderson St., Aurora, III.	1
9IE	Wilcox, Charles W	427 S. Brighton St., Kansas City, Mo	
9PU 9KH	Wilhelmy, Lino M	418 S. Main St., Decatur, Ill 415 W. Park Ave., Angola, Ind.	
9KH	Wilcox, Leo B	415 W. Park Ave., Angola, Ind	1801
9FF	Wilkerson, Wilbur P		
9AHR	Williams, Ashley Williams, Creah V	4300 South St., Lincoln, Nebr. 525 N. Emporia Ave., Wichita, Kans.	
9AGT	Williams, Creah V	525 N. Emporia Ave., Wichita, Kans	
9JP	Williams, Harold S	525 N. Emporta Ave., within Kanis, 707 Garden St., Kenosha, Wis. 515 Central St., Chanute, Kans. 2419 S. Calhoun St., Ft. Wayne, Ind. 115-117 N. Vermillion St., Streator, Ill.	13.0
9PN 9SY	Williams, Harry B	515 Central St., Chanute, Kans	1 10
9SY	Williams, Morton B.	2419 S. Calhoun St., Ft. Wayne, Ind	-300
9RA	Williams, Norman B Willing, William P	115-117 N. Vermillion St., Streator, III	-03
9NZ	Willing, William P	610 N. Grove Ave., Oak Fark, III	100
9II		Ctofford Vang	
9EP	Wilson, Guy E	3922 Flora Ave., Kansas City, Mo 840 De Kalb Ave., Sycamore, Ill.	
9NR	Winchester, Roy H	840 De Kalb Ave., Sycamore, Ill	1
9WV	Wilshusen, Wilmer L. Wilson, Guy E. Winchester, Roy H. Wireless Trio, The. See Hoffman, Erich A. Witcraft, Wilbur Wittick, Eugene C. Woodford Joe C.		
9TP	Witcraft, Wilbur	1941 Thompson Ave., Kansas City, Kans	100
9ACO	Wittick, Eugene C	104 6th Ave., Moline, Ill	
9US	Wittick, Eugene C. Woodford, Joe C. Woodruff, Ralph T. Woods, William E. Wolff, Jerome E. Wooster, Stanley W. Wright, Kenneth E.	411 E. 2d Ave., Oskaloosa, Iowa 649 N. 37th St., East St. Louis, Mo	1 3
9AR	Woodruff, Ralph T	649 N. 37th St., East St. Louis, Mo	
9HS	Woods, William E	4538-A Laclede St., St. Louis, Mo	1111
9AIU	Wolff, Jerome E	510 W. Iowa St., Urbana, III	1
9CY	Wooster, Stanley W	5531 Lowe Ave., Chicago, Ill	
9ADN	Wright, Kenneth E	855 Grand Ave., Waukegan, III	
9QM	Wunderlich, Clarence C	213 3d St., Cairo, Ill	
9NL	Wunderlich, Clarence C Wunderlich, Norman	649 N. 3/th St., East St. Dolls, Mo 4538- A Laclede St., St. Louis, Mo 510 W. Iowa St., Urbana, III 5531 Lowe Ave., Chicago, III 855 Grand Ave., Waukegan, III 213 3d St., Cairo, III Sedgewick and Division Sts., Chicago, III	1000
9MF	Yeakel, Maynard A	Polo, Ill	1
9VC	Yeakel, Maynard A Ziegenbein, Ralph W. L	335 Douglas St., Houghton, Mich	
9DM	Ziesenis, Harry	700 Mississippi St., Lawrence, Kans	111
9FY	Ziesenis, Harry Zimmerman, Clinton J	117 S. Washington St., Duquoin, Ill	
9AGL	Zuckerman, Samuel	Polo, III. 335 Douglas St., Houghton, Mich 700 Mississippi St., Lawrence, Kans. 117 S. Washington St., Duquoin, III. 2119 Spruce St., Boulder, Colo. Casselton, N. Dak	
9AIE	Zuelow, Felix	Caralian M Dale	1

#### NINTH DISTRICT-Continued.

#### ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.	
944	Stone, Richard G. West, Paul H.	9ADT	Hartman, Gilbert &	9AGV	Fiedler, Herbert.	
9A A B 9A A C	Carlisla Lloyd	9ADU	Martin. Whitaker, Ralph S.	9AGX 9AGY	Bean, Mason. Brodnax, Lewis M.	
PAAD	Carlisle, Lloyd. Slentz, Daniel R.	9A DV	Joslin, Murray.	PAGZ	Engel, Roman.	
9AAE	Russell, Wolfert E. Oonk, William J. C. Butler, Leonard.	9ADW	Joslin, Murray. Hicks, Verner. Roe, Vancil V.	9AH	Kihlstrom, Harry C.	
PAAF	Oonk, William J. C.	9ADX 9ADY	Roe, Vancil V.	9AHA.	Gates, George B. Mase, Harold E.	
9AAG 9AAH	Neidlinger Laurence.	9ADZ	Clapp, Newell. McDonald, Edgar J.	9AHD 9AHE	Harlin Paige I	
PAAI	Neidlinger, Laurence. Bruestle, Walter F., jr.	9AE	McGee, Paul J.	9AHG	Harlin, Paige J. Payne, Howard.	
9A A J	l Mathison Michael	9AEA	Benton, Raymond M.	9AHI	Nelson, Gustaf A.	
9AAK 9AAL	Knowles, Ivar A. Newlin, Myron. Clough, Kendall. Pecha, J. D.	9AEB 9AEC	Garver, Norman D.	9AHK 9AHM	Drummond, Ralph.	
9AAM	Clough, Kendall.	DAED	Landon, Edward B. Larsen, Clifford N. Varner, Lindsay. Schlegel, Alfred.	9AHN	Snoke, Kenneth F. Principia School.	
9AAN	Pecha, J. D.	9AEE	Varner, Lindsay.	9AHO	Qohalkhanecar W ()	
9AAO		9AEF	Schlegel, Alfred.	9AHR	Williams, Ashley.	
9AAP 9AAQ	Dunlap, Carroll M. Lewis, Hubert.	9AEG 9AEH	O'Donnell, Wert.	9AHS 9AHT	Glavin Roland E	
PAAR		9AEI	Ebner, Emil, jr.	9AHŪ	Buck, Donald N.	
PAAT	Kenyon, Vernon N.	9AEJ	Blake, Charles R. Ebner, Emil, jr. Hornbeck, Holton.	9AHW	Williams, Ashley. Ovrebo, Paul. Glavin, Roland E. Buck, Donald N. Call, George R.	
9AAU	Blasier, Herbert, jr.	9AEK	Miller, Leslie r.	9AI	Kaumam, Eimer.	
9AAV 9AAW	Kenyon, Vernon N. Blasier, Herbert, jr. Mole, Harry H. Todd, J. Richard.	9AEL 9AEM	Olsen, Clarence J. M. Miller, Charles, jr.	9AIA 9AIB	Campbell, Albert. Wahn, Harry.	
9AAX	Schulze, A. N. Harris, Frank M., jr.	9AEN	Brewster, vernon.	9AIC	Wahn, Harry. Bliss, Sidney.	
9AAX 9AAY	Harris, Frank M., jr.	9AEO		9AID	Lockhart, Ashton.	
9AAZ 9ABA	Mathiasen, Carl A. Crabb, Thomas G.	9AEP 9AEQ	Richards John	9AIE 9AIF	Lockhart, Ashton. Zuelow, Felix. Fawcett, Lester S.	
9ABD	Corwin, Willis.	9AER	Avery, Norman K. Richards, John. Marshall, George. Garrett, Halie C.	9AIG	Spickerman, Francis	
9ABE	Corwin, Willis. Button, Bert A. Smith, Noble.	9AES	Garrett, Halie C.		1 H.	
9ABG	Smith, Noble. Honecker, Walter.	9AET 9AEU	Huff, Fred. l Haitz, Fred, jr.	9AIH	Morton, C. E. and Terry, J. W. Lipe, Corodon C.	
9ABI 9ABK	Todd, Leonard.	PAEV	Coffman, Scott.	PATI	Line, Corodon C.	
9ABM	Kingsland, Le Roy. Deming, Herschel.	9AEV 9AEW	Coffman, Scott. Nelson, M. E.	9AIJ	Cook, George S. Jordan, Jacob.	
9ABN	Deming, Herschel.	9AEX 9AEY	Wareing, Thomas.	9AIK	Jordan, Jacob.	
9ABO 9wbr	Shephard, Floyd P. Baker, Warren C.	9AEZ	Matzinger, Philip F.	9AIM 9AIN	Mackley, Harry A. Ferguson, William B.	
9AB8	Frenzel, Oscar F., jr. Fedder, Herman. Myers, Wilford U. Pfeiler, Lawrence.	01122	Egloff, Edward and Martin.	9AIO	Ferree, Frank H. Hunt, Clayton S. Englund, Lawrence. McCune, Geo. H. Barber, Orville F. Smith, Nathaniel C. Wolff, Jerome. Curtis David S. ir	
9ABT	Fedder, Herman.	9AF	O'Conneil, John B.	9AIP	Hunt, Clayton S.	
9ABU 9ABW	Pfeiler Lawrence	9AFA 9AFD	Jaroszewicz, Casimir. Krus, Carl.	9AIQ 9AIR	McCune, Geo. H.	
9AC	Spetzman, John.	9AFE	Howard, John C.	9AIS	Barber, Orville F.	
9ACA	Spetzman, John. Doerfler, Hilary. Greene, John.	9AFG	Nevling, Lorin I. Sprackling, George A. Whitcomb, Donald L.	PAIT	Smith, Nathaniel C.	
9ACD	Shanks, Charles E.	9AFI 9AFK	Whiteomb Donald L	9AIU 9AIV	Curtis, David S., jr.	
9ACE 9ACG	Duncan, Wilbur H.	9AFM	Swain, Raymond E.	9AIW	Darle Herrard and	
9ACI	Allen, George M. McQuilkin, Joseph R. Jeffrey, Albert E. Curry, Wilfred N.	9AFN	Swain, Raymond E. Swanson, Martin. Harris, Harvey P.		Francis, Lyle. Gabbert, Oscar F., jr. Davis, Winfield. Miller, Carmi E.	
9ACK	McQuilkin, Joseph R.	9AFO 9AFR	Harris, Harvey P.	9AIX 9AIY	Gabbert, Oscar F., jr.	
9ACM 9ACN	Curry, Wilfred N.	9AF8	Busey, Paul G.	9AIZ	Miller, Carmi E.	
9ACO	Wittick, Eugene C.	9AFT	Phillips, Claude B. Busey, Paul G. Blum, Sidney J.	9AJ	I Men' waa mong D'	
9ACR	Frank, George.	9AFU	Clayton, Harold H.	9AJA	Argabrite, Geo. A. Morton, Clyde E.	
OACT	Wittick, Eugene C. Frank, George. Gooch, Bertram. Degner, Le Roy.	9AFW	Bechtold, Joe and Fred V.	9AJD 9AJE	Gunderson, Clarence	
9ACS 9ACT 9ACU	Hageman, Edwin. Pfister, Walter.	9AC	Martens, Hugo.	9AJG	Kansier, Vic. H. Kuhl, G. Harris.	
9ACW	Pfister, Walter.	9AGA	Bornofska, Clarence	9AJI	Kuhl, G. Harris.	
9ADA	Porwancher, Samuel. Franklin, Meurice W.	9AGB	and Elmer.	9AJK 9AJM	Fischer, A. Meth, Charles.	
9ADB	Greenwood, George	9AGC	Tylekens, Lucas, jr. Cottrell, Gorham J.	9AJN	Schoenwolf, Fred L.	
	W., jr.	9AGD	Banks, Archie E.	9AK	Jumisko, Harold W.	
9ADC 9ADD	Erickson, Einer. Meldrum, George E	9AGE 9AGF	Gamble, Glen A. Canary, Elmer B.	9AL 9AM	Johnson, Arthur. Theisen, Peter J.	
9ADE	Keller, Carl E.	9AGG	Herrling, Raymond	9AN	Cole, Jirah D., jr.	
9ADF	Jarboe, Owen.		C.	9AO	Cole, Jirah D., jr. Lipman, Theodore E.	
9ADG 9ADH	Hughes, Arthur S. Clark, Donald L.	9AGH 9AGI	Fenner, Zell G.	9AP	K. Raymond	
9ADI	Ruisvold, Arnold S.	9AGJ	Shriner, Ralph L. Rees, John.	BAI	Kingsley, Raymond	
9ADJ	Nelson, Lee M. MacMillan, Charles W.	9AGK	Messing, Marvin M.	9AQ	Skrainka, Walter and	
9A DK	MacMillan, Charles W.	9AGL	Zuckerman Sam	OAB	Nicholas.	
9ADL 9ADM	Bates, Clarence.	9AGM 9AGN	Knodle, Almon S. Brittin, Frank L. Groth, Wm. A. Barrett, Paul G. Davis, Herbert.	9AR 9AS	Woodruff, Ralph T. Goodnow, Frank E.	
9ADN	Le Vine, George L. Wright, Kenneth E.	9AGO	Groth, Wm. A.	9AT	Goodnow, Frank E. Rueschau, Harry R.	
9ADO	Bunock, merni &	9AGP	Barrett, Paul G.	9AU	Iversen, Reginald J. Hamel, Walter H.	
9ADP	Gerald. Stanley Charles A	9AGQ 9AGR	Davis, Herbert. Seymour, Charles.	9AV 9AW	Hamel, Walter H. Niswonger, Elbert E.	
9ADQ	Stanley, Charles A. Hecht, Royal H. Wallace, William A.	9AGS	Becker, Paul McN.	I WAX	Loosen, Irving R.	
9ADR	Wallace, William A.	9AGT	Williams, C. V. Briscoe, Bertram O.	9AY	Loosen, Irving R. Ward, Lloyd S.	
9AD8	Spalding, John G.	9AGU	Briscoe, Bertram O.	9AZ	Davidson, James G.	

#### NINTH DISTRICT-Continued.

#### ALPHABETICALLY BY CALL SIGNALS-Continued.

					<del>,                                     </del>
Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
9BA	Elmore, Virtus R.	9DU	Elliott, Byron K.	9GR	Diam II C
9BB	Nattenheimer, Ervin	anv	Locher, Leo.	9G8 -	Riggs, H. C. Morgan, Berwyn E.
	IR 'I	9DW	Malott, Alfred F	9GT	Pollard, Lynn.
9BC	Dunlap, Carroll M.	9DX	Deich, Dayton P.	9ĞŪ	I USVION. HOMAP E
9BD 9BE	Dunlap, Carroll M. Keeler, F. W. Myers, Delbert E. Heck, Lawrence F.	9DW 9DX 9DY	Malott, Alfred F. Deich, Dayton P. Healy, Kent T.	9GU 9GV	Coles, Jas. A. Rock, Burnham S. Kern, L. Armstrong. Ihl, G. Sheridan.
9BE	Myers, Delbert E.	9DZ	Seaman, Walter A.	9G W 9G Y	Rock, Burnham S.
9BF	Heck, Lawrence F.			9GY	Kern, L. Armstrong.
9BG	Shepherd, Don I. Neitz, Paul I. Craig, Richard A.	9EA	Brattland, Armond	9GZ	Ihl, G. Sheridan.
9BH	Neitz, Paul I.	9EB	D. Debest N	OTTA	1
9BI 9BJ	Munchhof Lee G	9EC	Oakley, Robert N. Lebo, Robert B. The David Ranken, jr., School of Me-	9HA 9HB	Andrew, Warren. White, Elliott A.
9BK	Trier Paul W	9ED	The David Ranken	9HC	Koroev Iden M
9BL	Perl. Raymond H.	1 222	ir. School of Me-	9HD	Prahl. Louis
9BM	Munchhof, Leo G. Trier, Paul W. Perl, Raymond H. Throop, Fred I. Flynn, John H., jr. McBride, Ralph M. Holcomba Bay E.		coanical traces.	9HE	Kerney, Iden M. Prahl, Louis. Bergvall, Royal, and W. E.
9BN	Flynn, John H., jr.	9EE	Mueller, Clarence. Shotwell, Harold H.	!!	W. E.
9BO	McBride, Ralph M.	9EF	Shotwell, Harold H.	9HF	I HAICH, J. HANIST.
9BP	Holcombe, Ray E. Rhea, Robin E.	9EF 9EG 9EH	Dean, Carl W. Hollister, Harold A. Spaniol, John T. Barnett, Lawrence T. French, Newell E. Harmann, Louis G.	9HG	Kistner, Joseph. Bohac, Leonard.
9BQ	Rhea, Robin E.	SEH	Hollister, Harold A.	9HH	Bohac, Leonard.
9B8 9BT	Poldwin Edward	9EI 9EJ	Rarnett Lawrence T	9HI 9HK	St Cyr. Albort
9BU	Jorgenson, Harold. Baldwin, Edward. Brown, Clarence I	9EK	French, Newell E	9HL	Burchnell, Geo. M. St. Cyr, Albert. Crawford, Robert.
9BV	Van Slyck, Welling-	9EL	Herrmann, Louis G.	9HM	
	ton.	9EM	Ball, George W.	9HN	Crowdus, James A.
9BW	Reinhardt, Wm. C.	9EN	Fisher, Ralph D.	9HO	Kossow, Erwin.
9BX	Lutz, Clarence W. A.	9EO 9EP	McNeill, Malcom R.	9HP	Stevens, Kenneth.
9BY	Scoven, Paul.	9EP	Ball, George W. Fisher, Ralph D. McNeill, Malcom R. Wilson, Guy E. Heely, Daniel.	9HQ 9HR	Perry, Owen R.
9BZ	Goddard, C.	9EQ 9ER	Mol and Kannath	9H8	Crowdus, James A. Kossow, Erwin. Stevens, Kenneth. Terry, Owen R. Baulch, Ernest L. Woods, William E. Gleichwan, Walter C.
	1	9E8	McLoad, Kenneth. Wales, Frank S. Bramhall, William. Frech, Lester.	9HT	Gleichman Walter C
9CA 9CB	Norene, Raymond E. H. C. Taiel Electric	9ET	Bramhall, William.	9HŪ	Gleichman, Walter C. Pilgram, Geo. W. and John C.
9CB	H. C. Taiel Electric Co., Inc.	9ET 9EU	Frech, Lester.		John C.
occ	Pionen Mostin	9EV	Piersol, Myron D. Vander Veer, G. E.	9HW	Peterson, O. W. Stewart, Lawrence W.
9CD	Pierson, Martin. Moen, Vere M.	9EW	Vander Veer, G. E.	9HX 9HY	Stewart, Lawrence W.
9CE	Hansen, Leland H.	9EX 9EY	Adolison, George S.	9HZ	Keffer, Allen W.
9CE 9CF	Hall, Harlan R.	9EZ	Adolfson, George S. Simms, Lincoln J. Davis, Richard M.	VII.	Anderson, Ivan H.
9CG	Johnson Dolph	862	1.	9IA	Huckett, Edwin.
9CH	Grosscup, Harry W. Johnson, August R. Harry, Charles. Abel, Wilson L. Beech, Guy L. Kligners, Milhart F.	9FA	Walker, Loyd A.	91B	Koch, Emerson L.
9CI	Johnson, August R.	9FA 9FB	Walker, Loyd A. Pearce, Wm. W., jr. Schulte, Herman.	9IC	Cunominof C A
9CJ 9CK	Abel Wilcon I	9FC	Schulte, Herman.	9ID	Swanson, Carl S. Wilcox, Charles W. Cole, Jirah D., ir. Reeder, Vern K. Talbott, Edward. Wilshusen Wilmer I.
9CL	Reach Guy L	9FD	Lawson, Parrvyn R.	91E	Wilcox, Charles W.
9CM	Klicpera, Milhart F.	9FE	Dunklau, George.	91F 91G	Cole, Jiran D., jr.
9CN 9CO	Cobb. Marle A.	9FF 9FG	Wilkerson, Wilbur P. Dickson, Ward.	9IH	Talbott Edward
9CO	Maupin, Ross. Brauch, Nicholas. Behmer, William. Heise, Paul A.	9FH	Millspaugh, Chas. H.	911	Wilshusen, Wilmer L.
9CP	Brauch, Nicholas.	9FI	Millspaugh, Chas. H. Salisbury, Hubbard	9IJ 9IK	Lloyd, Norman W. Mathews, Ralph. Hellwig, Emil C. Smith, Wallace W. Locke, Melvin W.
9CQ	Behmer, William.		H.	91K	Mathews, Ralph.
9CR 9CB	Degan Toto V	9FK	Oetjen, Richard J.	9IL	Hellwig, Emil C.
9CT	Brailsford Harry D	9FL	Hauck, George.	9IM	Looks Wallace W.
9ČŪ	Ragan, Tate V. Brailsford, Harry D. Watkins, Edwin S.	9FM 9FN	Preuss, Arthur C.	9IN 9IO	Henry Albert I.
9CV	Johnston, Roderick E.	9FO	Taynton, Mark. Rehm. Rainh E.	91P	Henry, Albert L. Nell, Edward, ir. Burr, Ralph H.
9CW 9CX 9CY	Heise, Elmer.	9FP	Rehm, Ralph E. Fawkes, C. E.	91Q	Burr, Ralph H.
9CX	Haynes, Roy. Wooster, Stanley W.	9FQ	Brignam, Neal.	9IR	Denricker, J. Resy-
₩ Y	wooster, stantey W.	9FR 9F8	Heckenkamp, E. B.	07.7	mona.
9DA	Irvin. John A	9FB 9FT	Davidson, James. Graves, G. G.	918	Wendell, Raymond
9DB	Irvin, John A. Paust, Lawrence R.	9FU	LaDuka Fast D	9IT	Sels, Hollis K.
9DC	Fahrney, Clarence H. Ederer, Lothar A.	OTEST	LaDuke, Earl R. Aldrich, Clinton P. Moreland, Henry F. Smith, Wilson.	OTIT	Tronske, Anthony T.
9DD	Ederer, Lothar A.	9FW 9FX 9FY	Moreland, Henry F.	9IV	Tronske, Anthony T. Olsen, Winard G. Dennis, Eben R.
9DE	Jensen, Arnold L.	9FX	Smith, Wilson.	91 W	Dennis, Eben R.
9DF 9DG	Hagedorn, Gilbert H.	9FY	Zimmerman, Cimion	9IX 9IY	Smith, H. Merrill.
9DH	Jensen, Arnold L. Hagedorn, Gilbert H. Hilgenberg, Noble C. Blatterman, Headlee, Ahrensfeld, Wm. H. Beasley, William A. O'Neil, Donald H. C. Friend, Earle M. Ziesenis Harry C.	ı	J.,	91Y	Smith, H. Merrill. Singleton, Paul G. Harris, Ralph G.
9DI	Ahrensfeld Wm H	9GA	Cose Henry W	9IZ	натіз, каірп С.
9DJ	Beasley, William A	9GB	Case, Henry W.	9JA	Watson, Noble B.
9DK	O'Neil, Donald H. C.	9GC	Taylor, Wm. B., jr. Read, Harry.	9JB	Erikson, Eben W
9DL	Friend, Earle M.	9GC 9GE	McKee, Myron J.	9JC	Lewis, W. Turnor II.
9DM	Ziesenis, Harry C. Sears, Charles L.	9GF	McKee, Myron J. Eyth, Hector G.	9JD	Jorgenson, O. B.
9DN	sears, Charles L.	9GH	Sever, Harold C.	9JE	Baumer, Harry W.
9DO 9DP	Weber, Anthony L. Clark, Bayard H.	9GJ	Levander, Edwin N.	9JG	Hood, Norman R.
	Sutherland, Kenneth	9GK 9GL	Weber John O	9JH 9JI	Sommer Tomas M.
W	L.	9GN	Lobas, John. Weber, John O. Curtis, Chas. D.	911	Alvested Clarence M
9DR	Juvenal, James B.	9GO	Wagner, William D.	9JK	Snytler, William O.
9D8	Ballantyne, Eln 3 Schaf, J. Charles.	9GP	Wagner, William D. Mallarian, Gregory. Ristau, Harold.	9JL	Watson, Noble B. Erikson, Eben W. Lewis, W. Turnor II. Jorgenson, O. B. Baumer, Harry W. Hood, Norman R. White, H. S. M. Sommer, James M. Sommer, James M. Snyder, William O. Keller, Stanley L. Putz, Anton E.
9DT	Schaf, J. Charles.	9GQ	Ristau, Harold.	9JM	Putz, Anton E.
			•		-

#### NINTH DISTRICT—Continued.

#### ALPHABETICALLY BY CALL SIGNALS-Continued.

	Till the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of t	<del></del>	<del></del>		<del>7</del>
Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
9JN	Glasgow, Roy S.	9ME	Kimmel, Maurice E.	90Y	Fritz, Jack A
ល	Gustafson, Gerald.	9MF	Kimmel, Maurice E. Yeakel, Maynard A.	90Z	Fritz, Jack A. Phillips, H. Leroy.
ØJР	Williams, Harold S.	9MG	Novak, Joe J. Moore, Wm. McD. Shiel, Merrill.	1	I .
ŊQ	Finlay, William J.	9MH	Moore, Wm. McD.	9PA	Korthals, Albert.
9JR	Miller, Harry F.	9MI	Shiel, Merrill.	9PB	Hancock, Leverne.
918	Goodnetter, Elmore.	9MJ	I Hussper, Heim C.	9PC	Carter, George W.
9JT	Warner, Kenneth B.	9MK	Giddings, E. H.	9PD	Cassaday, Cecil E.
an Mu	Gustason, Gerald. Williams, Harold S. Finlay, William J. Miller, Harry F. Goodnetter, Elmore. Warner, Kenneth B. Gisseler, Herman. Teetor, Macy O. Trumn. Robert K.	9ML	Giddings, E. H. Bement, David L. Pickett, Chester H.	9PE	Korthals, Albert. Hancock, Leverne. Carter, George W. Cassaday, Cecil E. Stang, Ray E.
atw	Trump Robert K	9MM 9MN	Maynerd P Noff	9PF 9PG	Bolin, Ray E. Bergherm, W. D., and Langen, Geo. Ranson, Richard R.
ũx	Griffiths Robert E	9MO	Huffman Verne A	ar G	Langen Coo
ũΫ́	Trump, Robert K. Griffiths, Robert E. Black, Max I.	9MP	Maynard, P. Neff. Huffman, Verne A. Anderson, Paul D. Graham, Albert I.	9PH	Ranson Richard R
ŊΖ	Schubert, Clarence.	9 <b>M</b> Q	Graham, Albert I.	9PI	Finehout, Fred
9KA	1 ' 1	9MR	Roth, Henry, ir.	QPJ	Finehout, Fred. Maxfield, David C. Foster, Edwin J
JEA	Markowski, Edward	9M8	Roth, Henry, jr. Dier, Stephen.	9PK 9PL	Foster, Edwin J.
9KB	Forbes, Henry C.	9MT	Neumann, Clarence	9PL	Weilepp, Paul F.
9KC	Lee, David R.		F	9PM	Weilepp, Paul F. Eick, Ferdinand. Williams, Harry B.
9KD	Rathert, Will P.	9MU	Hess, Merriman.	9PN	Williams, Harry B.
9KE	Rathert, Will P. Kranzfelder, Leonard	9MV	Hughes, James C.	9PO 9PP	May, Howard L. Voss, Lucien L.
	1 J. I	APL A	Schiller Roy	9PQ	Greenles Durter D
9 <b>K</b> F	Goorisich, John A. Cornish, Clarence F.	9MW 9MX 9MY	Morrison, Francis S. Schiller, Roy. Haines, Thorvald L.	9PŘ	Laidlew Robert P
9KG	Cornish, Clarence F.	9MZ	Haines, Thorvald L. Evans, Walter C.	9PS	Greenleaf, Burton B. Laidlaw, Robert F. Gosha, Donald.
9KH 9KI	Wilcox, Leo B.			9PT 9PU 9PV	Howland, H. N.
9KJ	Brigge Wolter C	9NA	Cleaveland, Leroy.	9PU	I Wilhelmy, L. M.
9KK	Petersen, Howard E. Briggs, Walter C. Henricks, George.	9NB	Price, Gerald. Phillipps, H. G. Roberts, Mason. Riley, Wilson M. Cottrell, Wm. R. Cramer, Wilbur R. Abercrombie, Julius	9PV	Laube, Herbert L. Peck, Earle M. Gustafson, C. Hjal-
9KL	Helms, Elvin E.	9NC	Phillipps, H. G.	9PW	Peck, Earle M.
9KM	Anderson, Oscar L.	9ND	Roberts, Mason.	9PX	Gustafson, C. Hjal-
9KN	Burg, Harold E. Joseph, Jarold.	9NE	Riley, Wilson M.	9PY	mar.
9KO 9KP	Joseph, Jarold.	9NF	Cottrell, W.M. R.	9PZ	Pierson, Stuart W.
9KP	Spencer, Levi. Melcher, John M.	9NG 9NH	Abergrombie Julius	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Tallentire, Thomas.
9KQ	Melcher, John M.	<b>31111</b>	B.	20.	l
9KR	Miller, John F.	9NI	Krug, Eugene C.	9QA 9QB 9QC 9QD 9QE	Larson, Lee H.
9K8 9KT	Manier, John F. Bennett, Harold. La Plant, G. L. Burgy, Charles A., jr. Sauer, August. Scott, M. Vernon. Mathias, Russell E. Hartnell, Eugene H. Davis, William R.	9NJ	Brabender, Carl W.	9000	Kees, Rossman W.
9KU	Burgy Charles A ir	9NK	Brabender, Carl W. Moss, Frank K.	400	Wheeler, Ted R. Albach, Henry, jr.
9KV	Sauer August	9NL	Schattschneider, Emil	OČE	Honding Stanley W
9KW	Scott, M. Vernon.	-2536	G.	9QF	Hopkins, Stanley W. Lockwood, Charles E.
OKX	Mathias, Russell E.	9 <u>M</u> M	Glavin, Roland E. Deal, Harmon B.	9QG	Bundy, Howard E.
9KY 9KZ	Hartnell, Eugene H.	9NN 9NO	Deal, Harmon B.	9QH	
9KZ	Davis, William R.	9NQ	Coquilette, Glenn E. Leininger, Clarence. Winchester, Roy H.		ley E. Baldwin, Harry E. Wunderlich, Clarence
9LA	Reichenecker, Frank	9NR	Winchester Roy H	9QT	Baldwin, Harry E.
our.	N.	9N8	Ritter, Wm. H.	9QM	Wunderlich, Clarence
9LB	Whipple, Arthur F.	9NT		OOM	Obserbalte Fermin 19
9LC	Casey, John G. Brooks, Ralph. Lisle, Waldo E. Keenan, Charles J.	I 9NU	Perry, Wm. N.	9QN 9QO 9QP	Oberholtz, Edwin F. Petersen, Walter. Mann, Harold L.
9LD	Brooks, Ralph.	9NV	Gates, Arthur R.	90 P	Mann Harold I.
9LE	Lisle, Waldo E.	9NW	Caldwell, Kenneth R.	9QQ	Spencer, Earle W.
9LF	Keenan, Charles J.	9NX 9NY	Pheips, Ciyde w.	908	Spencer, Earle W. Hood, Thomas.
9LG	I Tem. Paul II.	9NY	Perry, Wm. N. Gates, Arthur R. Caldwell, Kenneth R. Phelps, Clyde W. Ivy, John S. Willing, William P.	9 <b>O</b> U	Johnson, Paul E. Thacher, Safford D. Carnes, Theodore L.
9LH 9LI	Stone, J. McWilliams. Heiser, Walter C.		ATTIME, ATTIMETT 1.	9QV 9QW	Thacher, Safford D.
9LJ	Spencer, Alvin C	90A	Dilley, Joseph.	9QW	Carnes, Theodore L.
9LK	Spencer, Alvin C. Harrison, Major P., jr. Plummer, Evans E.	1 90B	Church, Archibald, jr. Johnson, Lorin F. Kohl, William.	9QY	Vehling, Robert. Meyer, Otto.
9LL	Plummer, Evans E.	90C	Johnson, Lorin F.	9QZ	meyer, Otto.
9LM	Schowalter, Elmer R. Laughlin, Dale. Perkins, Albert. Stover, Peter A. Kruse, S. Carroll, W. H. Olmsted Bandolph	90D	Kohl, William.		
9LN	Laughlin, Dale.	90E	Andreen, Earl H. Vollmar, Harold.	· 9RA	Williams, Norman B.
9LO	Perkins, Albert.	90F	Nestlande Pord	9RB	Kluge, Arno.
9LP 9LQ	Kruse S	90G 90H	Nestlerode, Boyd W. Pentland, Robert L.	9RC 9RD	Bohnstengel, George. Bailey, F. M.
9LR	Carroll W H	100	Holte, Harold O.	9RE	Mathauser, James J.
9LS	Olmsted, Randolph	9ŎĴ	Holte, Harold O. Barry, Daniel.	9RF	Harmegnies, Paul E.
+~··	F. Randorph	90K	Gerkey, Lewis K.	9RG	McCartney, Hugh S.
9LT	Sparks, Chas. H.	90M	Gerkey, Lewis K. Finley, Cyrus P. Thielens, Wagner P.	9RH	Harmegnies, Paul E. McCartney, Hugh S. Debus, George W.
11.10	i Knoul, Raiph.	90N	Thielens, Wagner P.	9RI_	Flesvig, Henry. Norbiel, Herbert D.
9LV	Ehling, Fritz. Howard, Clyde M.	900	Semmelmeyer, Her-	9RK	Norbiel, Herbert D.
9LV 9LW 9LX	Howard, Clyde M.	90P	Sendifor Debort	9RL	Cathair Fidure P.
9LX	I Leberman, Palmer K. I	90P	Sandifer, Robert. Coultas, Charles. Thomas, Martin.	9RM 9RO	Saltmarsh, Eugene P. Guthrie, Edwin P. Lethen, Edward.
9LY 9LZ	Greene, Clark W. Mason, Francis M., jr.	90R	Thomas Martin	9RP	Graf, Rudolph.
ATT	mason, Francis M., Jr.	908	Rutt, Burnice L.	980	Nelson, Carl H
9MA	Smith, Lester M.	9OT	McKee, Charles R.	9RQ 9RR	McCall, John A.
9MB	Andreas Careld T	90U	Pye, Harold.	9RS	Nelson, Carl H. McCall, John A. Meyer, Walter A.
9MC	MICHAELS, J. J.	90V	Richardson, David W.	9RU	I Tromas, Herschal
9MD	McClintock, Wm. S.,	90W	Del Vecchio, Earl.	9RV	Huffman, Charles.
	' jr.	YUX.	Stevers, Harold D.	9RW	Burhop, Harold.

#### NINTH DISTRICT—Continued.

#### ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
9RX	Cummings, Murney.	9TV	Ostermeier, Cecil H.	9VM	Clark, M. Eugene.
9RY	McGuire, Donald D.	9TW	Anderson, Axel V.	9VN	Geiger, Hans F.
9RZ	Stone, Francis E.	9TX.	La Rue, Harold.	9vô	Estling, David A.
0102	50010, 1101015 2.	9TY	Pope, Franklin R.	9VP	Benson, Lester A.
98A	Brennan, Joseph D.	"	1 opo, 1 1 min 10.	9VQ	Mason, Leroy E.
98D	Broughton, William	9UA	Wigton, Theron W.	9VR	Eilers, Werner.
	G.	9UB	Huston, Paul E.	9VS	Diffenderfer, Davis A.
9SE	Schmidt, Otto G.	9UC	Loveless, Harry L.	9VT	Lawrence, Harley C.
9SF	Mehrholz, Irvin.	9UD	Diehl, Grant, jr.	9VŪ	Allman, John C.
98G	Komm, Paul M.	9UE	Fels, Thomas W.	9VV	Messerly, Henry.
9SH	Burdick, Roy E.	9UG	Blakey, Millard.	9VW	Riedy, Walter L.
9SI	Lowe, Meredith B.	9UH	May, De Witt W.	9VX	Grossman, Eugene F.
9SJ	Nolte, Edward F.	9UI	Cottrell, Hale T.	9VY	Bauer, George D.
9SK	Weitz, Rudolph W.	9UJ	Neumann, Adelbert.	9VZ	Snarski, J. P.
9SL	Castleberry, Jewell.	9UK	Graybill, Donald R.		1
9SM	Engler, Robert J.	9UL	Cheyne, Tom L.	9WA	Coats, Roscoe J.
98N	Anderson, Virgil.	9UM	Erickson, Edward H.	9WB	Nolan, Guy P.
980	Day, Harold E.	9UN	Smith, Joe L.	9WC	Kannenstine, Fabian
9SP	Maxson, Rolland and	9 <b>U</b> O	Hegge, Adolph.		M.
	Charles 8.	9UP	Paetzold, William H.	9WD	Giese, R. C.
98Q	Rea, Richard.	9UQ	Blood, Lester C.	9WE	Brandt, Erwin H.
98R	Hogan, Leo.	9UR	Powers, Milton A.	9WF	Carter, George W.
988	Schrage, Charles T.	9US	Woodford, Joe C.	9WG	Parks, Paul B.
98T 98U	Roth, John. Seese, Tom G.	9UT	Hamilton, Leo L.	9WH 9WI	Reynolds, Wm. D., jr.
98V	Ruzek, Oscar E.	9UV 9UW	Hayes, James E. S.	9WJ	Kelley, Eugene V. Struver, Harold W.
ano ∧	Ruzek, Oscar E.	9UX	Burkart, Louis J., jr.	9WK	Thomas, Carroll W.
9TA	Parnin, Ross.	9UY	Bell, Fayett. Strock, Reeve O.	9WL	Bierbach, Werner.
9TB	Koresh, George.	9UZ	Edwards, Austin N.	9WM	Smith, Stanley,
9TD	Eisele, Edward J.	802	Bawaras, masum 11.	9WN	Ferdinand, Harry P.
9TE	Girod, Earl.	9VA	Siegart, Walter.	9WO	Garrett, Sherman S.
9TG	Fruit, Lester.	9VB	Bennett, Herbert P.	9WP	McKeever, Thomas.
9TH	Liston, Earl.	9VC	Ziegenbein, Ralph	9WQ	Black, Harry N.
9TJ	Hancock, George T.		W. L.	9WR	Burghardt, Douglas.
9TK	Jensen, Louis T.	9VD	Bitner, Robert E.	9WS	Patterson, Coy.
9TM	Bonson, George W.	9VE	Littmann, Edwin R.	9WT	Kelley, Edward L.
9TN	Mirgeler, Robert J.	9VG	Howard, L. Harde-	9WU	Church, Arthur B.
9TO	Cyr, Darrel J.		man.	9WV	Hoffman, Erich A.
9TP	Witcraft, Wilbur.	9VH	Scribner, Elmer B.	9WW	Smith, Raymond L.
9TQ	Griggs, Fred W.	9VI	Beesley, Bernard J.	9WX	Kramer, Andrew W.
9TR	Turner, Orville H.	9VJ	Miller, Leland.	9WY	Barnickol, Carl R.
9TS	Stansbury, Clinton.	9VK	Boardman, Horace C.	9WZ	Blue River Power Co
9TT 9TU	Loebe, Roy A. Gruda, Edgar.	9VL	and Clarence E. Grafe, Harold.	1	1

#### APPENDIX.

## TRANSMISSION OF TIME SIGNALS AND HYDROGRAPHIC INFORMATION BY NAVAL RADIO STATIONS.

The transmission of time signals to vessels at sea by means of radiotelegraphy was first accomplished in the United States in 1905, and this service, enlarged and extended, has continued to the present time. This service is of the greatest value to mariners, as it furnishes a means by which the time, as given by the transmitted signals, may be compared with a ship's chronometer and the error of the chronometer found. Similar comparisons over a number of days enable data to be obtained by which not only the error may be found but also the chronometer rate; that is, the rate at which it is gaining or losing.

The noontime signals on the Atlantic coast are sent out through the coast radio stations by connection with Western Union Telegraph lines from the United States Naval Observatory at Washington, D. C. By the operation of proper relays in electrical circuits, the beats of the seconds of a standard clock in the observatory are sent out broadcast as a series of radio dots, commencing five minutes before the time of the final signal. By omitting certain dots in a series, the comparison between the dots and the beats of the chronometer seconds can be checked until the instant of local noon (seventy-fifth meridian time) is reached. This is marked by a longer dot, which gives the time of exact noon. A comparison with the chronometer time at that instant gives its error referred to the seventy-fifth meridian time. Applying the difference in longitude. namely, five hours, between the seventy-fifth meridian and Greenwich, which is the standard meridian (or 0° longitude), the error of the chronometer referred to Greenwich time is determined.

Time signals are now sent out on the Atlantic coast only through the radio stations at Washington (NAA), Key West (NAR), and New Orleans (NAT). Signals from Washington and Key West are sent out every day in the year twice a day, viz, from 11.55 a. m. to noon and from 9.55 to 10 p. m., seventy-fifth meridian time. Time signals from New Orleans are sent out daily, including Sundays and holidays, commencing at 11.55 a. m., seventy-fifth meridian standard time, and ending at noon.

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In case of failure of the Washington high-power station, the signals are sent out by the small set in the same station, and the stations at Boston, Newport, New York, Norfolk, and Charleston are notified, and they each send the signals broadcast.

On the Pacific coast the time signals are sent broadcast to sea through the naval radio stations at San Francisco (NPH), Eureka (NPW), Point Arguello (NPK), and San Diego, Cal. (NPL), and at North Head, Wash. NPE). The controlling clock for each station is in the naval observatory at the Mare Island Navy Yard. Signals from San Francisco are sent out every day from 11.55 to noon, and from 9.55 to 10 p. m., one hundred and twentieth meridian standard time. Those from North Head, Eureka, Point Arguello, and San Diego are sent out daily, excluding Sundays and holidays, from 11.55 to noon, one hundred and twentieth meridian standard time.

On the Great Lakes the time signals are sent broadcast through the naval radio station at Great Lakes, Ill. (NAJ), daily from 10.55 a.m. to 11 a.m., ninetieth meridian standard time.

To get the maximum clearness of signals, the receiving circuit should be tuned to that of the sending station. Washington and San Francisco send on a 2,500-meter wave length, North Head and San Diego on a 2,000-meter wave length, Eureka on a 1,400-meter wave length, Great Lakes on a 1,512-meter wave length, Key West and New Orleans on a 1,000-meter wave length, and Point Arguello on a 750-meter wave length.

Information concerning wrecks, derelicts, ice, and other dangerous obstructions to navigation, whenever received from the Hydrographic Office or from a branch hydrographic office or other reliable source, is sent broadcast four times daily, viz, at 8 a. m., noon, 4 p. m., and 8 p. m., local (standard) time of station. Ships within range of a naval radio station should be prepared to receive these hydrographic messages at the hours mentioned and should avoid sending radio messages at these times. One vessel sending may prevent several others receiving information necessary to their safety.

Naval radio stations will furnish this information to passing vessels on request, whenever practicable, at other hours than those mentioned above. Should it not be practicable to send out this information on one of the hours scheduled it will be held until the next scheduled time and sent out as soon as practicable after each hour scheduled.

Each night at 10 o'clock, seventy-fifth meridian, immediately following the time signal, the naval radio station at Washington, D. C., will broadcast such information relating to safe navigation as may be furnished it by the Hydrographic Office during the preceding 24 hours. The same wave length, 2,500 meters, used in the time signal will be employed.

## TRANSMISSION OF WEATHER REPORTS BY NAVAL RADIO STATIONS.

Through cooperation with local offices of the United States Weather Bureau, weather forecasts are sent broadcast to sea through naval coast radio stations at certain times, varying with the locality. Coast stations are generally prepared to give local forecasts to passing vessels without charge, on request. Storm warnings are sent whenever received and the daily weather bulletins are distributed by the naval radio stations at Washington, D. C., and Key West, Fla., a few minutes after the 10 p. m. time signal. These bulletins consist of two parts.

The first part contains code letters and figures which express the actual weather conditions at 8 p. m., seventy-fifth meridian time, on the day of distribution, at certain points along the eastern coast of North America, one point along the Gulf of Mexico, and one at Bermuda.

The second part of the bulletin contains a special forecast of the probable winds to be experienced a hundred miles or so offshore, made by the United States Weather Bureau for distribution to shipmasters. The second part of the bulletin also contains warnings of severe storms along the coasts, as occasions for such warnings may arise.

Immediately following this bulletin, a weather bulletin for certain points along the Great Lakes is sent broadcast by the naval radio station at Washington, D. C., consisting of two parts. The first part contains code letters and figures which express the actual weather conditions at 8 p. m., seventy-fifth meridian time, on the day of distribution, at certain points along the Lakes. The second part of the bulletin contains a special forecast of the probable winds to be experienced on the Lakes, during the season of navigation—about April 15 to December 10.

The points for which weather reports are furnished are designated as follows: For Atlantic coast and Gulf points, S=Sydney, T=Nantucket, DB=Delaware Breakwater, H=Hatteras, C=Charleston, K=Key West, P=Pensacola, and B=Bermuda; for points on the Great Lakes, Du=Duluth, M=Marquette, U=Sault Ste. Marie, G=Green Bay, Ch=Chicago, L=Alpena, D=Detroit, V=Cleveland, and F=Buffalo.

All bulletins begin with the letters U S W B (United States Weather Bureau) and the weather conditions follow. The first three

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figures of a report represent the barometric pressure in inches (002 = 30.02); the next figure, the fourth in sequence, represents the direction of the wind to the eight points of the compass: 1 = north, 2 = northeast, 3 = east, 4 = southeast, 5 = south, 6 = southwest, 7 = west, 8 = northwest, and 0 = calm. The fifth figure represents the force of the wind on the Beaufort Scale, given below.

Beaufort Scale of wind force.

Number and designation.	Statute miles per hour.	Nautical miles per hour.
0 Calm		0 to 2.6
1 Light air	8	6.9
2 Light breeze		11.3
3 Gentle breeze	18	15.6
4 Moderate breeze	23	20.0
5 Fresh breeze	28	24.3
6 Strong breeze	34	29.5
7 Moderate gale		34.7
8 Fresh gale		41.6
9 Strong gale		48.6
10 Whole gale	65	56.4
11 Storm		65.1
	( 00	78.1
12 Hurricane	and over.	and over.

In order to simplify the code, no provision has been made for wind force greater than 9, strong gale, on the Beaufort Scale. Whenever winds of force greater than 9 occur, the number representing them is given in words instead of figures, thus: Ten, eleven, etc.

#### EXAMPLES OF CODE.

USWB S 96465 T 91674 DB 94686 H 99886 C 01214 K 02622 P 03613 B 00065

Translation.

United States Weather Bureau.

Station.	Pressure.	Wind.	
		Direction.	Force.1
Sydney	29.64	sw	
Nantucket.	. 29.16	W	
Delaware Breakwater		NW	
Hatteras		NW	
Charleston		N	
Key West	. 30. 26	NE	
Pensacola		N	
Bermuda	. 30.00	l sw l	

¹ See Beaufort Scale.

## U S W B Du 95826 M 97635 U 00443 G 96046 Ch 95667 L 00644 D 00842 V 01054 F 01656

Translation.

United States Weather Bureau.

Station.	Pressure.	Wind.	
		Direction:	Force.1
Duluth	29. 58	NE	6
Marquette	29.76	E	5
Sault Ste. Marie	30.04	SE	3
Green Bay	29. 60	SE	6
Chicago	29.56	SW	7
Alpena	30.06	SE	4
Detroit	30.08	SE	2
Cleveland	30. 10	S	4
Buffalo	30.16	S	6

¹ See Beaufort Scale.

The naval radio station at Great Lakes, Ill., transmits a weather bulletin at 10 a.m. and 10 p.m., ninetieth meridian time, daily, on a wave length of 1,512 meters. This bulletin is similar to the second bulletin sent out by Washington station, and is for the States of Illinois, Missouri, Iowa, Minnesota, North Dakota, South Dakota, Nebraska, Kansas, Wisconsin, and also for the upper lakes. Storm warnings are sent out as soon as received and broadcasted every four hours the next day.

## INTERNATIONAL MORSE CODE AND CONVENTIONAL SIGNALS.

[To be used for all general public service radio communication. (1) A dash is equal to three dots; (2) the space between parts of the same letter is equal to one dot; (3) the space between two letters is equal to three dots; (4) the space between two words is equal to five dots.]

Α	Period	
B		•
C ·	Semicolon	
E. F	Comma	•-•
$\mathbf{G} - \mathbf{G}$	Colon	
H I	Interrogation	
<u> </u>	Exclamation point	
M	Apostrophe	•
N	Hyphen	
P Q	Bar indicating fraction	
R	Parenthesis	
T	Inverted commas	
$\mathbf{W} \cdot  = .$	Underline	
$X = \dots = X$	Double dash	
<b>z</b>	Distress Call	
	Attention call to precede	
A (German)	every transmission	_·
A or A (Spanish-Scandinavian)	General inquiry call	
•	From (de)	
CH (German-Spanish)	Invitation to transmit (go ahead)	
É (French)	Warning—high power	
N (Spanish)	Question (please repeat after	
	)—interrupting long	
Ö (German)	messages	
Ü (German)	Wait	
• • • • • • • • • • • • • • • • • • • •	Break (Bk.) (double dash) Understand	
1	Error	ľ
2 · · — — — 3 · · · — —	Received (O. K.)  Position report (to precede all	••
4 · · · · <u> </u>	position messages)	
6 7	End of each message (cross)	
8	Transmission finished (end of	
9	work) (conclusion of cor- respondence)	
		<u> </u>

#### LIST OF ABBREVIATIONS TO BE USED IN RADIO COM-MUNICATION.¹

Abbreviation.	Question.	Answer or notice.
C Q		Signal of inquiry made by a station desiring to communicate.
ТR		Signal announcing the sending of par- ticulars concerning a station on shipboard (Art. XXII).
(!)		Signal indicating that a station is about to send at high power.
PRB	Do you wish to communicate by	I wish to communicate by means of
	means of the International Signal Code?	the International Signal Code.
QRA	What ship or coast station is that?	This is
QRB	What is your distance?	My distance is
QRC	What is your true bearing?	My true bearing is degrees.
$\mathbf{Q}\mathbf{R}\mathbf{D}$	Where are you bound for?	I am bound for
QRF	Where are you bound from?	I am bound from
QRG	What line do you belong to?	I belong to the Line.
QRH	What is your wave length in meters?	My wave length is meters.
QRJ	How many words have you to send?	I have words to send.
QRK	How do you receive me?	I am receiving well.
QRL	Are you receiving badly? Shall I send 20.	I am receiving badly. Please send 20.
	for adjustment?	for adjustment.
QRM	Are you being interfered with?	-
QRN	Are the atmospherics strong?	Atmospherics are very strong.
QRO	Shall I increase power?	Increase power.
QRP	Shall I decrease power?	Decrease power.
$\mathbf{Q}\mathbf{R}\mathbf{Q}$	Shall I send faster?	-
QRS	Shall I send slower?	Send slower.
QRT •	Shall I stop sending?	Stop sending.
$\mathbf{Q}\mathbf{R}\mathbf{U}$	Have you anything for me?	I have nothing for you.
QRV	Are you ready?	
$\mathbf{Q}\mathbf{R}\mathbf{W}$	Are you busy?	I am busy (or, I am busy with
	•	Please do not interfere.

¹ When an abbreviation is followed by a mark of interrogation, it refers to the question indicated for that abbreviation.



#### LIST OF ABBREVIATIONS TO BE USED IN RADIO COMMUNICATION—C

	Question.	Answer or notice.
QRX	Shall I stand by?	Stand by. I will call you will quired.
ORY	When will be my turn?	Your turn will be No.
QRZ	Are my signals weak?	Your signals are weak.
QSA	Are my signals strong?	Your signals are strong.
QSB	Is my tone bad?	The tone is bad.
402	Is my spark bad?	The spark is bad.
QSC	Is my spacing bad?	Your spacing is bad.
QSD	What is your time?	My time is
QSF	Is transmission to be in alternate	Transmission will be in al
	order or in series?	order.
QSG		Transmission will be in seri
		messages.
QSH	-	Transmission will be in serie
		messages.
QSJ	What rate shall I collect for?	Collect
QSK	Is the last radiogram canceled?	The last radiogram is canceled
QSL	Did you get my receipt?	Please acknowledge.
QSM	What is your true course?	My true course is degree
QSN	Are you in communication with land?.	I am not in communication will
QSO	Are you in communication with any	I am in communication with
ļ	ship or station (or: with)?	(through).
QSP	Shall I inform that you are	Inform that I am calling
.	calling him?	
QSQ	Is calling me?	You are being called by
QSR	Will you forward the radiogram?	I will forward the radiogram.
QST	Have you received the general call?	General call to all stations.
QSU	Please call me when you have finished	Will call when I have finished
	(or: at o'clock)?	7
QSV 1	Is public correspondence being han-	Public correspondence is being
	dled?	dled. Please do not intern
QSW	Shall I increase my spark frequency?.	Increase your spark frequency
QSX	Shall I decrease my spark frequency?.	Decrease your spark frequency
QSY	Shall I send on a wave length of	Let us change to the wave
	meters?	meters.
QSZ		Send each word twice. I
1	,	culty in receiving you.
		Repeat the last radiogram.

Public correspondence is any radio work, official or private, handled on commercial w



## DEPARTMENT OF COMMERCE BUREAU OF NAVIGATION RADIO SERVICE

# RADIO STATIONS OF THE UNITED STATES

**EDITION JULY 1, 1916** 



WASHINGTON GOVERNMENT PRINTING OFFICE 1916



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